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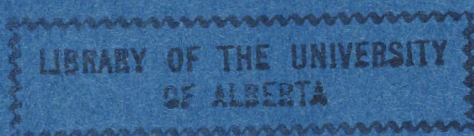
ANNUAL REPORT

OF THE

Board of Grain Commissioners
for Canada

FOR THE YEAR

1942



OTTAWA
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PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
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JOHN DUNN, JUNIOR
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REPORT OF THE BOARD

BOARD OF GRAIN COMMISSIONERS FOR CANADA

WINNIPEG, MAN., January 20, 1943.

Honourable JAMES A. MACKINNON, M.P.,
Minister of Trade and Commerce,
Ottawa, Canada.

SIR,—We beg to submit herewith the Annual Report of the Board of Grain Commissioners for Canada for the year 1942, in compliance with Section Twenty-three of The Canada Grain Act, 1930.

GENERAL CONDITIONS

Crop conditions generally throughout Western Canada were unusually favourable during 1942, resulting in the largest yield on record of all cereal crops. In accordance with the Government's announced policy, the acreage devoted to wheat production in Western Canada was again slightly reduced in 1942. The wheat acreage for that year was estimated to be approximately 20,653,000 acres compared with 21,140,000 acres in 1941. This shows a reduction of 487,000 acres. But the estimated yield of wheat in 1942 was 587,000,000 bushels compared with 293,000,000 in 1941, or an increase in yield of 294,000,000 bushels. It is at once apparent that in 1942, from 487,000 fewer acres of wheat, the yield of 1941 was doubled.

The 1942 estimated acreage of oats in Western Canada was 9,666,000 acres as compared with 8,137,000 acres in 1941, an increase in oat acreage of 1,529,000 acres. But the estimated yield of oats in 1942 exceeded that of 1941 by 330,000,000 bushels, this being an increase of 285 per cent.

The barley acreage was increased by 1,679,000 acres or from 4,735,000 acres to 6,414,000 acres, and the estimated total yield was increased by 160,300,000 bushels, or an increase of 259 per cent.

The rye acreage was increased by 385,000 acres and the yield by 14,704,000 bushels, or an increase of 247 per cent over the 1941 yield.

Flax also showed a substantial increase in both acreage sown and total yield. The acreage was increased from 982,000 acres to 1,466,000 acres, while the estimated yield was 16,700,000 bushels as compared with 6,419,000 bushels in 1941.

The estimated total yield of all these crops for the year 1942 was 1,391,393,000 bushels as compared with a total for 1941 of 582,108,000 bushels, or an estimated increase of 809,285,000 bushels more than the total of 1941 crop. This enormous crop, together with the carry-over of the previous year, constitutes the largest stocks of grain ever accumulated in Canada.

Limited markets and a greatly restricted transportation condition, due to the very large increase in volume of war materials moved, have compelled the storage of immense quantities of grain on the farms of Western Canada. It can therefore be expected that, with anything like a normal crop in 1943, the problem of storage for the 1943 crop will be an acute one. The greatly increased numbers of live stock in Canada will require a substantial increase in quantities of feed grain. Canada can now confidently expect to be in a position when hostilities cease to offer large quantities of wheat and flour to the devastated areas of the world.

BOARD INSPECTIONS

During the year your Board carefully inspected all Government owned terminal elevators and found these well equipped and soundly operated. Substantial repair work is now necessary on the dock and grain galleries at Prince Rupert. Atlantic points were also visited in order to study the loading facilities and shipping conditions at these points.

CAR DISTRIBUTION

Since the beginning of the 1941-42 crop year on August 1st, 1941, the control of car supply to country elevators has been handled by the Canadian Wheat Board, but The Board of Grain Commissioners has continued to handle all applications for cars out of turn under the provisions of Section 68 of the Canada Grain Act. The abuse of the privilege of obtaining cars out of turn referred to in the last report of the Board now appears to have been overcome.

STORED GRAIN PESTS INVESTIGATION

To safeguard Canadian stored grain from the danger of losses from mites and insects, the Board has continued the work of the Stored Grain Pests Investigation initiated in 1941. As in 1941 the entomological studies were conducted by an entomologist employed by the Board and under the direction of the Dominion Division of Entomology. The work has been carried out in co-operation with the Board's Grain Research Laboratory.

The grain trade has been provided with specific information on the presence and control of insects on the basis of samples submitted for examination. About 5,000 samples were submitted during 1942 as compared with 3,000 for 1941. Direct assistance has been afforded to grain companies in the control of infestations and in obtaining insecticidal materials now scarce or available only under priority ratings.

As long-time storage has continued, insects previously unimportant have become major pests and insects formerly unreported from Western Canada have appeared. Methods designed to prevent and control insect infestations have been generally successful and direct damage by grain insects has been small. These various efforts combined with the vigilance maintained by the grain trade have resulted in a well-integrated system for the detection and control of insect pests in Canadian stored grain.

CANADIAN GOVERNMENT ELEVATORS

All of the Canadian Government Elevators managed under the Board have had a large handling of grain during the past year. Amounts in store as at January 1, 1943, totalled 16,048,557 bushels.

AUDIT OF STOCKS IN TERMINAL AND EASTERN ELEVATORS

The congestion of stocks in terminal and eastern elevators continues to create difficulties in auditing the stocks of grain in store in these elevators, as required under the provisions of the Canada Grain Act. However, where at all possible, the stocks have been weighed over but at a number of these elevators it was only possible to make estimates of the actual stocks in store.

On applying the provisions of Sections 138 and 138-a of the Canada Grain Act to the results of the audit at the elevators where stocks were actually weighed over, excessive overages were disclosed at one eastern elevator and settlement therefor in the amount of \$111.77 was made to the Board by the licensee.

ELEVATOR CHARGES

As the provisions of Order in Council P.C. 1225 of 19th February, 1941, fixed the maximum elevator charges at terminal and country elevators until the 31st day of July, 1943, the Board did not hold the usual public hearings at Winnipeg and Vancouver to hear representations on the matter of elevator charges. With heavy stocks in store the licensees of all terminal elevators and of practically all country elevators in August and September, 1942, reduced the storage charges filed with the Board for the current crop year from one forty-fifth of one cent per bushel per day, the present maximum, to one-fiftieth of one cent per bushel per day.

LAKE FREIGHT RATES

The maximum rates fixed by the Board in June, 1941, for the carriage of wheat from Fort William and Port Arthur to Bay Ports, Goderich, Sarnia, Port Colborne, Kingston, Prescott, Montreal and other St. Lawrence Ports with increased rates in the month of December, on account of increased insurance costs, remained in effect throughout the 1942 season of navigation.

WAR RISK INSURANCE ON GRAIN

The Board co-operated with the Department of Finance in the drawing up of a scheme of War Risk Insurance on Grain under the provisions of the War Risk Insurance Act, 1942, which was finally promulgated under Order in Council P.C. 10229 dated November 19, 1942. This order provides that the Board will collect a levy assessed against grain in certain positions. The Board collected in December, 1942, \$197,213.09, the levy assessed on grain in store in terminal elevators on November 30, 1942, and has also assessed levy in the amount of \$103,534.45 on grain in store in eastern elevators at the same date. The levy on grain received at, shipped from or processed at the different elevators in accordance with the provisions of the Order in Council is now being assessed and collected by the Board monthly.

ASSISTANT COMMISSIONERS

The number of complaints investigated by the Assistant Commissioners during 1942 was approximately the same as in the previous year, but they have continued to assist the Board in carrying out the provisions of The Canada Grain Act by investigating applications for cars out of turn, and inspecting buildings to be used as special annexes to country elevators.

They also carried out the usual inspection of a number of country elevators in each province.

COMPLAINTS

On August 5, 1942, the Board held a formal investigation in Winnipeg into the complaint of a firm of grain exporters against the licensee of an eastern elevator for alleged loss sustained by the said exporter by reason of certain wheat alleged to have deteriorated while in store in the eastern elevator operated by the said licensee, and found to be heated and sour on being loaded into railway cars.

The Board found in favour of the complainants, and ordered the defendant to pay the sum of \$3,111.18.

GRADING OF SOYBEANS AND FLAX

Under Order in Council P.C. 2799, dated April 10, 1942, the Canadian Wheat Board was authorized to purchase soybeans, and requested the Board to make provision for the grading thereof.

After discussions with representatives of the producers and handlers, the Board prepared specifications for the different grades of soybeans, and these were authorized by Order in Council P.C. 6125, dated July 16, 1942.

Specifications for the different grades of flaxseed grown in the Eastern Division, and which the Canadian Wheat Board was authorized to purchase under Order in Council P.C. 6124, dated July 16, 1942, were also drawn up and authorized by Order in Council P.C. 6124, dated July 16, 1942.

COMMITTEES ON GRAIN STANDARDS

Committees on Grain Standards for the Crop Year 1942-43 were constituted by the Board in accordance with Section Twenty-five of The Canada Grain Act, 1930.

The Western Committee was convened at Winnipeg on October 22, 1942 and the Eastern Committee at Toronto on August 31, 1942 and at Montreal on November 19, 1942.

WHEAT BONUS

Outstanding wheat bonus certificates in the amount of Twenty Dollars and Eighty-five Cents (\$20.85) were redeemed during the past year. Outstanding certificates still remain in the amount of Eight thousand, Two Hundred and Ninety-three Dollars and Thirteen Cents (\$8,293.13).

THE PRAIRIE FARM ASSISTANCE ACT, 1939

The Board has continued under the Prairie Farm Assistance Act, 1939, to collect one per cent (1%) of the net value of grain marketed in the three western provinces. During the crop year ended July 31, 1942, the sum of One Million, Four Hundred and Fifty-nine Thousand, Seven Hundred and Sixty Dollars and Fifty-one Cents (\$1,459,760.51) was collected, making total collections since the inception of this scheme on August 1, 1939, to July 31, 1942 of \$6,463,955.75. Collections for the first four months in the current crop year are \$1,094,568.26.

EXPENDITURES AND REVENUES

Total expenditure for the fiscal year 1941-42 was \$1,602,023.65 compared with \$1,553,423.30 for the previous fiscal year. Revenue for the fiscal year 1941-42 was \$1,247,086.92 compared with \$919,500.74 for the previous fiscal year, an increase of \$327,586.18.

For the first nine months of the current fiscal year the total expenditure was \$3,612.59 less than in the corresponding period in the previous fiscal year, and the revenue for the same period shows a decrease of \$242,614.04.

PERSONNEL

The Board regrets to report the death in August, 1942, of Mr. James D. Fraser, who retired from the service of the Board in May, 1941 after forty-two years' service during the last sixteen of which he has held the position of Chief Grain Inspector.

Reports of the various departments of the Board are attached hereto as appendices for your information.

Respectfully submitted,

D. G. McKENZIE,
Chief Commissioner

D. A. MacGIBBON,
Commissioner.

C. M. HAMILTON,
Commissioner.

APPENDIX No. 1

REPORT OF THE SECRETARY

WINNIPEG, MAN., January 19, 1943.

The Chief Commissioner,
Board of Grain Commissioners for Canada,
Winnipeg, Manitoba.

DEAR SIR,—I have the honour to submit the following memoranda summarizing different matters handled in the Executive Offices of the Board during the year 1942:

- (a) Complaints.
- (b) Prosecutions.
- (c) Defaults.
- (d) Cars out of turn.
- (e) Receipt of Wheat into Country Elevators from Railway Cars.
- (f) Report of Warehouseman.
- (g) Licences issued during past twenty years.
- (h) Grain Loading Platforms.
- (i) Prairie Farm Assistance Act—One Per Cent Levy.
- (j) Report of Statistician.
- (k) Annual Weigh-over—Terminal Elevators.

Yours truly,

J. RAYNER,
Secretary.

(a) COMPLAINTS

COUNTRY COMPLAINTS

During the year ended December 31, 1942, the Board investigated fifty-two (52) complaints, together with three (3) outstanding at December 31, 1941, regarding the handling of grain at country elevators, shipments to terminal elevators and the operations of licensees under the Canada Grain Act, as follows:

Manitoba.....	19
Saskatchewan.....	13
Alberta.....	17
Outstanding at December 31, 1941.....	3
	<hr/>
	52

These were disposed of as follows:—

No grounds for complaint.....	30
Complaint withdrawn.....	2
Settlement effected between parties.....	5
Outside jurisdiction of Board.....	6
Not yet disposed of.....	9
	<hr/>
	52

MISCELLANEOUS COMPLAINTS

Eight (8) complaints were received by the Board in respect to shipments from terminal elevators, these being disposed of as follows:—

Settlement effected.....	3
Outside jurisdiction of Board.....	1
Settlement ordered.....	1
Outstanding at December 31, 1942.....	3
	<hr/>
	8

EXPORT SHIPMENTS

Three (3) complaints were received in respect to overseas shipments, none of which were upheld on investigation.

(b) PROSECUTIONS

One prosecution for a breach of Section 108 of the Canada Grain Act was instituted during the year, the defendant on conviction being fined five dollars and costs.

(c) DEFAULTS

There were no defaults during the year 1942.

(d) CARS OUT OF TURN

During the year 1942 cars out of turn for the shipment of grain from country elevators were ordered by the Board under the provisions of Section 68 of the Canada Grain Act as follows:—

Grain out of condition, or in danger of becoming so.....	266 cars
Elevators in danger of collapse.....	210 cars

(e) RECEIPT OF WHEAT INTO COUNTRY ELEVATORS
FROM RAILWAY CARS

Due to lack of storage space in terminal elevators, the Board, under the provisions of Section 107(a) of the Canada Grain Act authorized the receipt of wheat from railway cars into country elevators for the conservation of storage in a total of 565 cars during the year 1942. These shipments were made from districts having heavy crops to districts where lighter crops were harvested.

(f) REPORT OF LICENCE AND BONDING BRANCH

The Secretary,
Board of Grain Commissioners,
Winnipeg, Manitoba.

DEAR SIR,—I have the honour to submit the following summary of Licensing and Bonding for the crop year 1941-42.

During the season which commenced on August 1, 1941 and ended on July 31, 1942, one hundred and forty-six (146) firms and individuals applied for Licences as required by the provisions of the Canada Grain Act.

Five thousand, eight hundred and thirty-nine (5,839) applications for Licences to operate were received and five thousand, eight hundred and sixteen (5,816) Licences were issued. Eighteen (18) Licences were transferred and five (5) applications were withdrawn for various reasons.

APPLICATIONS RECEIVED AND LICENCES ISSUED

Kind	Applications		Licences	
	Received	Withdrawn	Issued	Transferred
Track Buyers.....	31	.....	31	.....
Commission Merchants.....	39	1	38	.....
Grain Dealers.....	18	.....	18	.....
Public Terminal Elevators.....	6	.....	6	.....
Semi-Public Terminal Elevators.....	39	.....	39	.....
Private Terminal Elevators.....	9	.....	9	.....
Eastern Elevators.....	30	.....	30	.....
Mill Elevators.....	34	.....	34	.....
Private Country Elevators.....	6	.....	6	.....
Public Country Elevators.....	5,609	4	5,605	.....
Transfer—Public Country Elevators.....	18	.....	.....	18
	5,839	5	5,816	18

In addition to the above applications for regular elevator Licences, the Board also received five hundred and five (505) applications for authority to operate off-site buildings as "Special Annexes" under authority of Order in Council P.C. 4215. Twenty-one of the applications were rejected and/or withdrawn and four hundred and eighty-four (484) authorities to operate were granted. No fee was required from the applicants but they were required to deposit with the Board Surety Bonds to cover their operations at these off-site buildings.

At December 1, 1941, there were 5,796 buildings classed as Elevators under the provisions of The Canada Grain Act, 5,766 in the Western Division and 30 in the Eastern Division; of these 5,722 were in operation under Licence at that date. Details of these buildings and their storage capacities, together with several summarizing statements and other relative information, may be found in the publication entitled "List of Grain Elevators in the Western and Eastern Divisions".

The total licensed storage capacity as at July 31, 1942 was 599,636,824 bushels; elevators proper and permanent annexes comprising 430,447,070 bushels; temporary annexes 162,570,550 bushels and special annexes 6,619,204 bushels.

The following Licences, which were granted at the commencement of the season to the underlisted firms, were cancelled by order of the Board on the dates and for the reasons stated hereunder:—

*Public Country Elevator
Licence No. 387*

Manitoba Pool Elevators Limited; 25,000 bushel elevator at Harding, Manitoba; cancelled October 22, 1941; building now operated as a Special Annex to Pool elevator number one.

*Private Terminal Elevator
Licence No. 68*

The Alberta Pacific Grain Company Limited; 250,000 bushel elevator at Calgary, Alberta; cancelled November 14, 1942; work-house of elevator was destroyed by fire; remaining storage tanks now operated as a Special Annex.

*Private Terminal Elevator
Licence No. 67*

Searle Terminal Limited; 1,700,000 bushel elevator at Kenora, Ontario; cancelled December 23, 1941; Company changed nature of operations and re-licensed as a Semi-Public Terminal elevator.

*Public Country Elevator
Licence No. 1551*

Frank D. Lampman; 45,000 bushel elevator at Rosetown, Saskatchewan; cancelled April 1, 1942; ceased operations and elevator dismantled.

Sixty-seven (67) Country Elevator licences were suspended by the Board at various times throughout the crop year owing to certain repairs being necessary to the elevators to maintain them in a fit and proper condition to store grain. The repairs were made in due course and all licences re-instated.

Licence Fees collected amounted to \$30,803.00; of this amount \$25.00 was refunded to applicants on account of applications for Licences having been withdrawn.

Surety bonds amounting to \$26,564,487.50 were executed by thirteen (13) of the approved Surety Companies and were deposited with the Board as security covering the operations of the Licensees; in addition, three (3) Licensees deposited negotiable Government Bonds with a par value of \$18,800.00 in lieu of furnishing the usual forms of Surety Bonds. \$811,000.00 of this security was to cover the grain stored in "Special Annexes".

There were no changes in the permanent staff of this Branch but it was necessary to employ temporary assistance for a longer period than customary owing to the fact that the routine work of maintaining the records in connection with the collection of the One Percentum Levy under the Prairie Farm Assistance Act necessitates the full time services of one of the permanent employees of this Branch whose regular duties have been performed by temporary employees.

Yours respectfully,

C. F. SPITTLE,

Warehouseman.

(g) STATEMENT SHOWING NUMBER AND KIND OF LICENCES ISSUED DURING THE SEASONS
1905-6; 1911-12; 1917-18; and 1925-26 to 1941-42

Kind	1941- 1942	1940- 1941	1939- 1940	1938- 1939	1937- 1938	1936- 1937	1935- 1936	1934- 1935	1933- 1934	1932- 1933	1931- 1932	1930- 1931	1929- 1930	1928- 1929	1927- 1928	1926- 1927	1925- 1926	1917- 1918	1911- 1912	1905- 1906				
Public Country Elevators.....	5,605	5,614	5,622	5,418	4,641	5,234	5,528	5,302	5,504	5,661	5,145	5,500	5,082	5,153	4,540	4,314	4,236	3,577	1,972	1,099				
Private Country Elevators.....	6	6	6	7	13	11	12	13	14	9	12	385	398	309	156	35								
Public Terminal Elevators.....	6	6	6	5	3	6	6	7	7	9	10	8	11	10	11	14	21	17						
Semi-Public Terminal Elevators.....	39	39	38	34	30	33	38	39	38	39	32	35	(formerly licensed as Private Elevators)										**34	**10
Private Terminal Elevators.....	9	10	13	38	40	39	36	37	37	38	37	40	*76	*80	*80	*67	*64	*20						
Eastern Elevators.....	30	31	30	29	29	29	31	31	30	29	28	29	†20	†20	†18	†17	†17	†18						
Mill Elevators.....	34	38	38	15	17	15	19	19	21	22	26	25	‡27	‡18	‡16	10	†10							
Elevator Space.....													1	1	1	3	3	7	58					
Track Buyers.....	31	33	36	38	40	40	41	46	51	64	57	48	62	82	84	88	95	156	123					
Commission Merchants.....	38	39	43	47	47	48	51	56	61	63	64	57	71	90	92	95	94	126	84					
Grain Dealers.....	18	21	24	23	19	17	24	25	20	15	75	3	3	2	3	3	3							
Total number issued.....	5,816	5,837	5,856	5,654	4,879	5,472	5,786	5,575	5,783	5,949	5,486	6,130	5,751	5,765	5,001	4,646	4,543	3,921	2,271	1,109				

*Licensed as Private Elevators.

†Licensed as Public Elevators.

‡Licensed as Manufacturing Elevators.

**Licensed as Terminal Elevators.

(h) GRAIN LOADING PLATFORMS

During the year 1942 no applications for the building of grain loading platforms or the enlargement of existing ones were made to the Board.

SUMMARIZED STATEMENT OF GRAIN LOADING PLATFORMS IN WESTERN CANADA

Province	Number of Platforms	Car Capacity
Manitoba.....	617	1,678
Saskatchewan.....	1,283	2,926
Alberta.....	737	1,502
British Columbia.....	38	77
Ontario.....	11	23
Total as at December, 1942.....	2,686	6,206

(i) THE PRAIRIE FARM ASSISTANCE ACT, 1939

ONE PERCENTUM LEVY

AMOUNTS COLLECTED ON GRAIN PURCHASED DURING PERIOD AUGUST 1, 1941, TO JULY 31, 1942

[illegible]

(j) ANNUAL REPORT OF STATISTICIAN

The Secretary,
Board of Grain Commissioners,
Winnipeg, Manitoba.

DEAR SIR,—I beg to submit the following report of the crop year 1941-42.

The grain crops of Canada harvested in 1941 were considerably less than those of the previous year. The final official estimate indicates a crop of wheat totalling 296 million bushels was harvested in the Prairie Provinces and the total for all Canada was 314,825,000 bushels. For 1940 the totals were 513,800,000 bushels and 540,190,000 bushels respectively. The carry-over on 31st July, 1941, was some 60 per cent larger than a year previous, constituting a new record at 480,129,311 bushels in all positions in North America. A total of 795 million bushels were thus available for disposition during the crop year, compared to a total of 840.6 millions in 1940-41. Actual disposition accounted for 370.9 million bushels of wheat, 220 millions being exported as wheat or wheat flour and

150.9 millions used for home requirements. The carry-over at the end of the year totalled 424,048,429 bushels in all positions. Further details of carry-overs of wheat and disposition of the 1941 crops will be found in the appended tabular statements.

MARKETING AND MOVEMENT

Marketing of the crop at country points and shipment therefrom continued under the control and direction of the Canadian Wheat Board. It is worthy of special note that the marketing and movement were accomplished without congestion. The fact that the amount of wheat remaining in farmers' hands was less than at the close of the previous year suggests that practically the entire crop was disposed of. In Western Canada only 9.2 million bushels of wheat were reported in farmers' hands on 31st July, 1942.

STORAGE

Total storage space licensed by the Board includes 169 million bushels in temporary and special annexes at country points and operated in connection with terminal and eastern elevators. This, added to the permanent licensed storage capacity of over 430 million bushels, provides space for 599 millions, 509 millions in Western and 90 millions in Eastern Canada, respectively.

DESTINATION DATA

Despite changed conditions following the initiation by Japan of war against the United States and Allied Nations we have continued to receive the fullest collaboration of United States Government Departments, Produce & Corn Exchanges and Chambers of Commerce in the collection of records of the disposition of Canadian grain. Data secured are as complete as it is possible to be and will be available for distribution on the final cessation of hostilities. In the meantime the assistance of all concerned is deeply appreciated and gratefully acknowledged.

TRANSPORTATION AND FREIGHT RATES

The urgent need of ships and munitions of war occasioned the requisition, for ocean service, of a number of canal-size Canadian ships hitherto engaged in the transportation of grain and package freight on the Great Lakes-St. Lawrence route. A number of the larger bulk cargo carriers in the upper lake traffic were requisitioned for the ore-carrying trade. These reductions of tonnage available for grain necessitated the shortening of routes as far as possible so export grain was mostly carried to Georgian Bay and Lake Erie ports until the approach of the close of the season when some ore-carriers were released for the grain trade to carry cargoes to Lake Erie and Upper St. Lawrence river ports and to load winter storage cargoes. Freight rates on shipments to Buffalo and other U.S.A. lake ports were substantially higher from the opening of the 1942 season at 5 to 5½c. per bushel U.S. funds until August and 5½c. to 6c. per bushel U.S. funds from September to November, wheat basis. Lake shipments to Canadian ports continued at the maximum rates as fixed by the Board in June, 1941, throughout the season—3½c. to Georgian Bay ports; 4c. to Port Colborne, 4½c. to Toronto; 5c. to Kingston and Prescott; all per bushel wheat; with an additional 2c. to Georgian Bay and Lower Lake ports in December only to compensate for increased insurance costs. Violent storms on the lakes and cold weather towards the close of the season caused delays to many vessels. Consequently a larger number were loaded at the end of November, also a fair number in December, winter storage cargoes to U.S.A. ports earning 9c. per bushel wheat U.S. funds, with the odd steamer an even higher figure.

In accordance with provisions of the Inland Water Freight Rates Act copies of charter confirmations were filed by shippers covering lake shipments of grain from Fort William-Port Arthur from which weighted overages of rates charged were compiled for the information of the Minister, the Board and others interested.

INSURANCE

The inclusion of the Eastern elevators, by the authority of Order in Council P.C. 2393, as from the 1st May, 1941, with Public and Semi-Public terminal elevators under the provision of section 102 of the Canada Grain Act requiring the insurance of all grain stored in the elevators added substantially to the work of this office throughout the crop year. Copies of insurance policies as issued are received and carefully scrutinized and the value of grain in store compared with the amounts of insurance reported as in force periodically. The closest check is maintained on insurance effected by means of specific policies, or under policies which specify maximum amounts. Fluctuations in values of grain as well as amounts in store require the exercise of greater vigilance as it occasionally happens a licensee has to be requested to increase the amount of insurance in force.

ANNUAL WEIGH-UP

Following annual or special weigh-ups of grain stored in Terminal and Eastern elevators statements have been prepared for submission to the Board and calculations of excess and deficiency made in the manner prescribed by section 138 and 138(a) of the Canada Grain Act. One Eastern elevator licensee was found to have an overage due to the Crown. This was duly collected by the Board. Copies of the statements are appended.

Yours faithfully,

E. A. URSELL,
Statistician.

CARRY-OVER OF CANADIAN WHEAT—31ST JULY—IN BUSHELS

Position	1941	1942
On Farms—Estimated.....	13,954,000	10,446,000
In Country, Private Terminal and Mill Elevators.....	224,424,158	139,818,882
In Public and Semi-Public Terminal Elevators.....	122,549,005	167,506,675
In Store and Afloat for Eastern Elevators.....	65,053,695	67,638,911
In Eastern Flour Mills.....	1,280,920	2,399,600
In Transit.....	21,076,023	16,421,935
In Store and in Transit United States.....	31,791,510	19,816,426
Total.....	480,129,311	424,048,429

Crops of 1941 and Disposition	Wheat	Oats	Barley	Rye	Flaxseed
	Bush.	Bush.	Bush.	Bush.	Bush.
Carry-over, July 31, 1941.....	480,129,311	41,563,379	10,908,001	4,919,122	620,313
Production—All Canada*.....	314,825,000	305,575,000	110,566,000	11,703,000	5,788,000
Total Available Supply.....	794,954,311	347,138,379	121,474,001	16,622,122	6,408,313
Carry-over, July 31, 1942.....	424,048,429	28,592,913	10,846,754	3,386,361	1,027,040
Total Disposed of.....	370,905,882	318,545,466	110,627,247	13,235,761	5,381,273

* Final Official Estimate.

**SUMMARY OF PRODUCTION OF GRAIN IN WESTERN CANADA IN 1941, PRIMARY
MARKETINGS BY PRODUCERS AND TOTAL INSPECTIONS,
CROP YEAR 1941-42 (ENDED JULY 31)**

(a) PRODUCTION

—	Wheat (All Varieties)	Oats	Barley	Rye	Flaxseed
	Bush.	Bush.	Bush.	Bush.	Bush.
Manitoba.....	51,000,000	41,700,000	40,000,000	2,818,000	1,145,000
Saskatchewan.....	147,000,000	72,500,000	26,700,000	5,311,000	3,718,000
Alberta.....	98,000,000	63,800,000	28,000,000	1,860,000	778,000
Total.....	296,000,000	178,000,000	94,700,000	9,989,000	5,641,000

(b) PRIMARY MARKETINGS

AT COUNTRY ELEVATORS*

Manitoba.....	40,733,559	9,330,552	15,613,161	1,512,050	840,793
Saskatchewan.....	114,687,650	12,163,035	6,982,718	3,435,266	3,141,344
Alberta.....	66,771,164	10,041,561	2,830,039	348,450	630,510
Total.....	222,192,373	31,535,148	25,425,918	5,295,766	4,612,647

LOADED OVER PLATFORMS

Manitoba.....	738,820	233,022	662,567	39,360	5,845
Saskatchewan.....	338,243	134,363	66,162	7,297	17,723
Alberta.....	744,404	681,096	248,937	2,811	9,039
Total.....	1,821,467	1,048,481	977,666	49,468	32,607

DELIVERIES TO INTERIOR TERMINAL ELEVATORS—PUBLIC AND SEMI-PUBLIC

Total.....	6,171	27,605	13,069	6,818
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AT INTERIOR PRIVATE AND MILL ELEVATORS

Manitoba.....	728,614	103,721	168,113	3,746	179,513
Saskatchewan.....	909,354	55,795	21,551	35	10,505
Alberta.....	1,399,088	438,849	28,868	14,000	43,233
Total.....	3,037,056	598,365	218,532	17,781	233,251

TOTAL MARKETED

Manitoba.....	42,200,993	9,675,753	16,456,861	1,555,156	1,026,151
Saskatchewan.....	115,935,247	12,353,577	7,070,431	3,442,598	3,169,572
Alberta.....	68,920,827	11,180,269	3,107,893	365,261	689,600
Total.....	227,057,067	33,209,599	26,635,185	5,363,015	4,885,323

(c) GRAIN INSPECTED

Manitoba.....	47,830,100	7,990,450	13,647,550	1,493,875	806,700
Saskatchewan.....	159,204,500	10,473,900	7,891,500	3,175,090	3,077,520
Alberta.....	89,455,400	9,098,500	2,532,450	313,310	598,280
Total.....	296,490,000	27,562,850	24,071,500	4,982,275	4,482,500

(a) PRODUCTION—Final official estimate for Prairie Provinces.*(b) PRIMARY MARKETINGS*—Points in Ontario west of Fort William are included in Manitoba figures; country points in the Peace River Valley situate in British Columbia are included in Alberta figures.*(c) Grain inspections* are compiled according to provinces where grain was grown.

* Subject to revision—Final totals not yet completed.

PRIMARY RECEIPTS AND SHIPMENTS AT TERMINAL ELEVATORS

—	Wheat	Oats	Barley	Rye	Flaxseed
	Bush.	Bush.	Bush.	Bush.	Bush.
<i>Fort William-Port Arthur—</i>					
Receipts.....	260,542,805	17,419,413	17,845,463	4,953,171	3,981,804
Shipments.....	215,111,979	19,868,622	17,548,196	4,494,078	3,563,059
<i>Vancouver-New Westminster—</i>					
Receipts.....	3,159,081	822,796	416,769	130,111	115
Shipments.....	3,919,662	837,816	321,944	119,241	816
<i>Victoria, B.C.—</i>					
Receipts.....	67,670				
Shipments.....	213,043	1,127			
<i>Prince Rupert, B.C.—</i>					
Receipts.....					
Shipments.....	2,014				
<i>Churchill, Man.—</i>			Nil		
<i>Semi-Public Terminals at—</i>					
<i>North Transcona, Man.—</i>					
Receipts.....		8,458	13,020		
Shipments.....	21,265	8,458	13,088	6	
<i>Edmonton, Alta.—</i>					
Receipts.....	39,495	154,757	50,322		
Shipments.....	45,283	145,413	42,354		
<i>Kenora, Ont.—</i>					
Receipts.....					
Shipments.....	59,065				

TOTAL NET HANDLINGS CANADIAN GRAIN AT CANADIAN GOVERNMENT
INTERIOR TERMINAL ELEVATORS

—	Wheat	Oats	Barley	Rye	Flaxseed
	bush.	bush.	bush.	bush.	bush.
<i>Receipts—</i>					
Calgary.....	622,124	62,179	45,805		273
Edmonton.....	571,199	918	38,687		
Lethbridge.....	279,344	5			6,545
Moose Jaw.....	447,656				893
Saskatoon.....	571,067	470			
Total.....	2,491,390	63,572	84,492		7,711
<i>Shipments—</i>					
Calgary.....	801,567	62,725	25,290		265
Edmonton.....	1,621,893	9,812	17,442		
Lethbridge.....	269,708	5			6,545
Moose Jaw.....	658,520				893
Saskatoon.....	777,931	317			
Total.....	4,129,619	72,859	42,732		7,703

CANADIAN GRAIN HANDLED AT DULUTH-SUPERIOR

(INCLUDING DUTY-PAID IMPORTS)

Receipts.....			107,077	
Shipments.....	10,734,060		234,238	

TRADE AND COMMERCE

TOTAL PRIMARY GRAIN HANDLINGS AT EASTERN ELEVATORS

CANADIAN GRAIN

—	Wheat	Oats	Barley	Rye	Flaxseed	Corn
	bush.	bush.	bush.	bush.	bush.	bush.
Receipts.....	167,160,544	5,326,238	6,746,125	693,552	1,280,358	1,097,490
Shipments.....	167,380,269	5,494,919	5,139,256	703,181	1,241,416	1,070,480

—	Buckwheat	Mixed Grain	Soya Beans
	bush.	lbs.	bush.
Receipts.....	28,337	18,745,450	70,500
Shipments.....	17,364	13,023,390	68,410

UNITED STATES GRAIN

—	Wheat	Oats	Barley	Rye	Corn	Soya Beans
	bush.	bush.	bush.	bush.	bush.	bush.
Receipts.....	830,183	.....	.....	.....	18,907,944	39,400
Shipments.....	744,674	58,639	.....	.....	14,359,136	15,400

—	SOUTH AFRICAN GRAIN	ARGENTINE GRAIN	
	Corn	Wheat	Corn
	bush.	bush.	bush.
Receipts.....	.....	127,512	17,600
Shipments.....	356	127,512	228,100

IMPORTS OF FOREIGN GRAIN FOR CANADIAN DOMESTIC CONSUMPTION (AMOUNT MOVED FROM ELEVATORS INTO DOMESTIC CONSUMPTIVE CHANNELS)

—	U.S.A. Wheat	U.S.A. Oats	U.S.A. Corn	U.S.A. Beans
	bush.	bush.	bush.	bush.
Via Eastern Elevators.....	3,955,395	15,400
Fort William-Port Arthur.....
Interior Private Terminals.....	11,841	.....
Pacific Coast Elevators.....
Total.....	3,967,236	15,400

—	S. African Corn	Argentine Wheat	Argentine Corn
	bush.	bush.	bush.
Via Eastern Elevators.....	356	.....	209,900
Interior Private Terminals.....	.....	.....	.....
Pacific Coast Elevators.....	.....	.....	128,000
Total.....	356	.....	338,000

GRAIN COMMISSION

Month	Via Canadian Pacific Seaboard Ports	Via Canadian Atlantic Seaboard Ports	Via Churchill (Direct)	Via Fort William- Port Arthur (Direct)	Via U.S.A. Atlantic Seaboard Ports	U.S.A. Imports*		Total all Wheat	†Wheat Flour (expressed as Wheat at 4½ bush. per barrel)	Total wheat and Wheat Flour
						Con- sumption Duty-paid	Milling in Bond			
1941	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.
August.....	116,502	11,457,069	.....	.....	552,324	743,802	1,072,869	13,942,566	6,464,547	20,407,113
September.....	35,232	9,655,063	.....	.....	1,015,204	1,032,899	971,329	12,709,727	2,974,563	15,684,290
October.....	28,184	6,820,053	.....	.....	3,808,439	79,854	1,217,232	11,953,762	1,984,802	13,938,564
November.....	140,324	9,631,352	.....	.....	3,474,626	56,515	1,291,381	14,594,198	2,639,308	17,233,506
December.....	51,818	8,805,955	.....	.....	5,933,091	13,492	1,283,988	16,088,344	4,186,062	20,274,406
1942										
January.....	65,550	6,388,515	.....	.....	6,915,990	7,352	1,437,580	14,814,987	3,376,634	18,191,621
February.....	74,752	5,954,141	.....	.....	4,165,918	.....	620,516	10,815,327	4,753,566	15,568,893
March.....	131,719	7,734,592	.....	.....	6,537,635	.....	637,919	15,061,865	4,047,296	19,109,161
April.....	141,100	13,729,788	.....	.....	9,001,484	6,353	1,074,760	23,953,485	5,075,883	29,029,368
May.....	208,385	15,048,189	.....	.....	2,291,075	3,908	1,041,043	18,592,600	4,148,294	22,740,894
June.....	263,899	8,743,941	.....	.....	3,576,589	1,034,102	390,488	14,009,019	2,940,840	16,949,859
July.....	1,156,037	5,329,211	.....	.....	2,558,671	19,997	481,342	9,545,258	3,334,208	12,879,466
Total Crop Year 1941-42..	2,413,502	109,297,869	.....	.....	49,831,046	2,998,274	11,540,447	176,081,138	45,926,003	222,007,141
Total Crop Year 1940-41..	4,056,218	113,907,751	.....	.....	55,595,198	3,825,463	7,521,894	184,906,524	46,299,722	231,206,246
5-year average 1937-38 to 1941-42.....	13,453,531	86,318,884	658,671	112,787	38,262,429	1,492,293	8,062,041	148,380,636	31,940,884	180,301,520

Fort William, Ont.

*U.S.A. Official Figures.

†Customs Returns.

GRADES OF CANADIAN GRAIN EXPORTED OVERSEAS VIA CANADIAN AND
U.S.A. PORTS, CROP YEAR 1941-42

Grade	Via Canadian Pacific Seaboard Ports	Via Canadian St. Lawrence— Atlantic Seaboard Ports	Via U.S.A. Atlantic Seaboard Ports	Total
	bush.	bush.	bush.	bush.
<i>Wheat (All Varieties)—</i>				
1 Man. Hard.....	69,735	159,316	437,243	666,294
1 Man. Northern.....	1,861,800	85,046,262	29,100,419	116,008,481
2 Man. Northern.....	362,049	20,623,858	9,878,488	30,864,395
3 Man. Northern.....	92,913		202,923	295,836
Dried.....		616		616
1 C.W. Garnet.....	2,667	1,166,564		1,169,231
2 C.W. Garnet.....		1,273,754		1,273,754
3 C.W. Garnet.....		170,467		170,467
2 Alberta Winter.....	24,338			24,338
Unspecified Spring Wheat.....			† 9,465,567	9,465,567
1 C.W. Amber Durum.....			45,415	45,415
2 C.W. Amber Durum.....		645,605	392,237	1,037,842
3 C.W. Amber Durum.....		211,427	65,884	277,311
Unspecified Durum Wheat.....			† 242,870	242,870
Total.....	2,413,502	109,297,869	49,831,046	161,542,417
<i>Oats—</i>				
2 C.W.....	8,541		408,740	417,281
1 Feed.....		5,251		5,251
2 Feed.....		13,157		13,157
3 Feed.....		21,404		21,404
Mixed Feed.....		4,633		4,633
Tough Grades.....		49,759		49,759
Others.....		172,142	36,100	208,242
Canadian Eastern.....		2,100		2,100
Unspecified Grades.....			† 174,732	174,732
*Bagged Grain.....	117	561,046		561,163
Total.....	8,658	829,492	619,572	1,457,722
<i>Barley—</i>				
2 C.W. Six-Row.....			234,238	234,238
1 Feed.....		467		467
2 Feed.....		595		595
Unspecified Grades.....			† 129,591	129,591
*Bagged Grain.....		2,936		2,936
Total.....		3,998	363,829	367,827
<i>Rye—</i>				
2 C.W.....		19,570	254,188	273,758
*Bagged Grain.....		743		743
Total.....		20,313	254,188	274,501

† Regraded from Bonded Stocks to U.S.A. Domestic Standards before being exported.

* Bagged grain loaded direct from cars to vessels. (Customs Returns which cannot be included with quantities handled through elevators.)

EXPORT CLEARANCES OF CANADIAN GRAIN TO OVERSEAS DESTINATIONS—
CROP YEAR 1941-42—BY PORTS AT WHICH LOADED

Loaded at	Wheat (All Varieties)	Oats	Barley	Rye
	bush.	bush.	bush.	bush.
Vancouver-New Westminster.....	2,236,169	8,541		
Victoria.....	177,333			
Montreal.....	22,734,490	106,765		
Sorel.....	5,792,534			
Three Rivers.....	3,887,600			
Quebec.....	5,583,707			
St. John.....	3,658,577			
West St. John.....	28,825,677			
Halifax.....	38,815,284	161,681	1,062	19,570
*Bagged Grain.....		561,163	2,936	743
Total—Canadian Ports.....	111,711,371	838,150	3,998	20,313
New York.....	26,105,328	583,472	129,591	254,188
Albany.....	1,719,913			
Baltimore.....	9,298,004	36,100		
Boston.....	2,816,035			
Philadelphia.....	2,192,619			
Portland.....	7,699,147			
Duluth.....			234,238	
Total—U.S.A. Ports.....	49,831,046	619,572	363,829	254,188
GRAND TOTAL.....	161,542,417	1,457,722	367,827	274,501

* Bagged grain loaded direct from cars to vessels. (Customs Returns which cannot be included with quantities handled through elevators).

SUMMARY OF SURPLUSES AND DEFICITS

Licensee	Wheat		Mixed Feed Oats		Barley		Flaxseed	
	Surplus	Deficit	Surplus	Deficit	Surplus	Deficit	Surplus	Deficit
<i>Canadian Government—</i>								
Calgary, Alta.....	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.
Edmonton, Alta.....	446-10	.....	2,607-12	.....	.....	.....	.....	.....
Lethbridge, Alta.....	508-20	.....	555-00	.....	13-16	.....	.....	.....
Moose Jaw.....	862-00	.....	300-00	.....	.....	.....	99-42	.....
Saskatoon, Sask.....	.....	148-40	.....	.....	.....	.....	.....	.....
Prince Rupert, B.C.....	.....	1,796-55	.....	.....	.....	.....	.....	.....
Totals.....	1,876-30	600-30	.....	.....	.....	.....	.....	.....
Net Total—Surplus or Deficit.....	.....	2,546-05	3,462-12	.....	13-16	.....	99-42	.....
	669-35	.....	3,462-12	.....	13-16	.....	99-42	.....

The official weighing of 1 Man. Northern Wheat at Lethbridge, 1 and 2 Man. Northern Wheat at Edmonton and 1 and 2 Man. Northern Wheat and Barley at Calgary were postponed under authority of Order-in-Council P.C. 5298 dated 2nd October 1940.

SUMMARY OF RESULTS OF CALCULATION OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. GARNET AND 2 C.W. GARNET GRADES OF WHEAT,
AS DISCLOSED BY THE ANNUAL WEIGH-UP, 1942, OF GRAIN IN STORE IN SEMI-PUBLIC TERMINAL ELEVATORS, FORT WILLIAM-PORT ARTHUR,
AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138, CANADA GRAIN ACT 1930 AND AMENDMENTS THEREIN

LICENSEE	EXCESS					DEFICIENCY						
	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet
Canadian Consolidated Grain Co. Ltd. "Empire".....	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.
Eastern Terminal Elevator Co. Ltd. "Thunder Bay".....							95-50	574-20 2,520-20	12,781-55 1,146-30	1,251-50 7,313-10	157-20	184-20
Federal Grain Ltd. "Bawlf".....	205-40						14-30	1,478-05	176-40	71-55	45	-25
" " "Northwestern".....							111-00	682-00	1,825-15	348-40	4-55	
" " "Stewart".....							49-35	490-55	605-25	2,069-05	578-40	568-45
Fort William Elevator Co. Ltd.							3-45	895-45	1,885-50	545-20	79-40	129-25
Manitoba Pool Elev. Ltd. "Term. No. 3".....								176-45	63-10	837-55		
McCabe Bros. Grain Co. Ltd. "C" "Dominion Govt.".....								1,830-40 829-50	1,882-40 5,631-50	716-20 236-30		
National Grain Co. Ltd. "G.T.P.".....	4-20							3,508-05	2,319-10	7,478-55	110-35	99-00
Northland Terminals Ltd. "B&E"	2,846-40		5,022-00		754-10		12-25	29,243-00		281-45	310-20	
Ogilvie Flour Mills Co. Ltd.		6,083-35					5-10	8,257-30	20-30	8-40		
N. M. Paterson & Co. Ltd.....								1,773-00	14,046-05	3,744-55	10-00	12-50
Reliance Grain Co. Ltd.								5,928-20	4,196-40	4,196-40		
Saskatchewan Pool Terminals Ltd. "Terminal No. 4".....				741-35				3,051-50	8,870-30	1,456-50	185-00	11-20
"Terminal No. 5".....							1,756-40	8,494-55	12,895-50		13-40	146-25
"Terminal No. 6".....			611-10		-20		288-20	11,821-20	38-20			
"Terminal No. 7".....							5,841-00	34,051-10	19,040-20	26,567-45	63-35	-30
Superior Elevator Co. Ltd. "P&H"								48,001-00	985-40	13,886-50	12-45	174-00
United Grain Growers Terminals Ltd.....							24-35	372-55	985-40	505-20	176-16	
Western Grain Co. Ltd.	5,570-45							25,832-15 37,877-05	48,429-20 30,806-00	17,410-40 4,979-40	562-55 38-35	1,675-15 5,309-35

There is no excess due to the Crown from the above elevators. The annual weigh-up of grain in store in 5 Semi-Public Terminal Elevators, Fort William-Port Arthur, was postponed under authority of Order in Council P.C. 5298, dated the 2nd October, 1940.

ANNUAL WEIGH-UP, 1942

SUMMARY OF RESULTS OF CALCULATIONS OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. AND 2 C.W. GARNET GRADES OF WHEAT, AS REVEALED BY THE ANNUAL WEIGH-UP, 1942, OF GRAIN IN STORE IN PUBLIC TERMINAL ELEVATORS IN THE WESTERN DIVISION, AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138, CANADA GRAIN ACT 1930, AND AMENDMENTS THERETO

LICENSEE	EXCESS						DEFICIENCY			
	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern
<i>Canadian Government—</i>										
Calgary, Alta.....	bush. 92-40	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	1 C.W. Garnet bush. 62-50
Edmonton, Alta.....						38-30				
Lethbridge, Alta.....			24-20							
Moose Jaw, Sask.....								148-40		
Saskatoon, Sask.....							228-50	1,546-05	17-20	4-40
Prince Rupert, B.C.....								460-50	139-40	

There is no excess due to the Crown from any of the above elevators.

GRAIN COMMISSION

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ANNUAL WEIGH-UP, 1942

SUMMARY OF RESULTS OF CALCULATION OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C. W. GARNET AND 2 C. W. GARNET GRADES OF WHEAT, AS DISCLOSED BY THE ANNUAL WEIGH-UP, 1942, OF GRAIN IN STORE IN SEMI-PUBLIC TERMINAL ELEVATORS, VANCOUVER, NEW WESTMINSTER, VICTORIA, CHURCHILL, NORTH TRANSCONA AND EDMONTON AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138, CANADA GRAIN ACT, 1930, AND AMENDMENTS THERETO

LICENSEE	EXCESS					DEFICIENCY						
	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet
<i>Vancouver—New Westminster—</i>	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.	bush.
Alberta Wheat Pool "Number 1"	63-25	658-00	1,083-30	146-55	-40	25-55
Alberta Wheat Pool "Number 2"	3-00	.....	27-20	.....	2,156-50	573-00	.....	22-00	.....
Midland Pacific Terminal Ltd.	6,351-20	.....	.....	15-50	1,871-30	17,446-30	.....	90-20	104-50
Pacific Elevators Ltd.	4-00	.....	.....	.....	47-15 89-05	598-55	.....	4,377-45	52,656-20 451-55	692-25 2,994-15	.....	17-30
Jas. Richardson & Sons Ltd.	523-00	.....	.....	.....	1,010-55	4,660-40	.....	.....	545-45	1,825-20	.....
Searle Terminal Ltd.	3,715-10	1,177-40	.....	.....	.....	.....	8,319-50	636-35	.....	917-35	3,403-25
United Grain Growers Terminals Ltd.	334-30	.....	.....	.....	1,161-40	1,086-25	808-35	.....	.....
<i>Victoria—</i>	1,538-30	628-30	.....	.....	.....
Gillespie Grain Co. Ltd.	1,625-10	.....	.....	11-50	449-50	5-15	.....	.....	.....
<i>Churchill—</i>
National Harbours Board.
<i>North Transcona—</i>
Eastern Terminal Elevator Co. Ltd.
<i>Edmonton—</i>
Gillespie Grain Co. Ltd.	2-00	54-05	4-55	.....	.....

There is no excess due to the Crown from the above Elevators.

ANNUAL WEIGH-UP, 1942

SUMMARY of Results of Calculations of Overage or Shortage in Western Canadian and Foreign Grown Grain as Revealed by the Annual Weigh-up, 1942, of Grain in Store in EASTERN ELEVATORS, and arrived at in the manner prescribed in Section 138A, Canada Grain Act, 1930, and amendments thereto.

Licensee	Kind of Grain	Overage bush.	Shortage bush.
<i>Collingwood—</i>			
Collingwood Terminals Ltd.....	Western Canadian Wheat.....		1,003-01
	Western Canadian Oats.....		215-20
	Western Canadian Barley.....	2-17	
	U.S.A. Corn.....		5,922-31
<i>Depot Harbour—</i>			
Wm. H. Johnson, Jr. Ltd.....	Western Canadian Wheat.....		751-35
<i>Goderich—</i>			
Goderich Elevator & Transit Co. Ltd.....	Western Canadian Wheat.....		5,552-18
	Western Canadian Oats.....		935-21
	Western Canadian Barley.....		976-01
	Western Canadian Rye.....	727-34	
	Western Canadian Flaxseed.....		161-17
	Western Canadian Mixed Grain.....		1,506 lbs.
	U.S.A. Wheat.....	194-30	
	U.S.A. Corn.....		744-35
Western Canada Flour Mills Co. Ltd.....	Western Canadian Wheat.....		9,529-40
	Western Canadian Oats.....		242-20
	Western Canadian Barley.....		67-24
<i>Humberstone—</i>			
Robin Hood Flour Mills Ltd.....	Western Canadian Wheat.....		2,368-00
	U.S.A. Wheat.....		470-20
<i>Kingston—</i>			
Kingston Elevator Co. Ltd.....	Western Canadian Wheat.....		6,829-10
	Western Canadian Barley.....		347-26
	Western Canadian Flaxseed.....		593-32
	Western Canadian Rye.....		46-50
<i>Midland—</i>			
Aberdeen Elevator Co. Ltd.....	Western Canadian Wheat.....		2,927-10
	U.S.A. Oats.....		458-00
	U.S.A. Corn.....		3,998-53
Canadian National Railways.....	Western Canadian Wheat.....		4,428-30
Canada Steamship Lines Ltd.....	Western Canadian Wheat.....		1,243-10
	Western Canadian Barley.....		210-34
Midland Simcoe Elevator Co. Ltd.....	Western Canadian Wheat.....		8,165-55
	Western Canadian Oats.....		1,078-08
	Western Canadian Barley.....		304-35
<i>Owen Sound—</i>			
Great Lakes Elevator Co. Ltd.....	Western Canadian Wheat.....		1,279-15
	Western Canadian Oats.....		339-30
	Western Canadian Barley.....	305-46	
	Western Canadian Rye.....		1-40
	Western Canadian Mixed Grain.....		887 lbs.
	U.S.A. Oats.....		72-12
	U.S.A. Corn.....		851-32

CALCULATIONS OF OVERAGE OR SHORTAGE—EASTERN ELEVATORS

<i>Port Colborne—</i>			
Maple Leaf Milling Co. Ltd.....	Western Canadian Wheat.....		6,740-55
	Western Canadian Oats.....	53-24	
	Western Canadian Barley.....		758-37
	Western Canadian Rye.....		112-46
	Western Canadian Corn.....	688-01	
	Western Canadian Mixed Grain.....	62,270 lbs.	
National Harbours Board.....	Western Canadian Wheat.....		2,932-25
	Western Canadian Oats.....	28-09	
	Western Canadian Barley.....		213-10
	U.S.A. Corn.....		422-18
<i>Port McNicoll—</i>			
Canadian Pacific Railway Co. Ltd.....	Western Canadian Wheat.....	334-40	
	Western Canadian Barley.....		227-44
<i>Prescott—</i>			
National Harbours Board.....	Western Canadian Wheat.....		31,245-50
	Western Canadian Oats.....		3-07
	Western Canadian Barley.....		13-30
	Western Canadian Corn.....		103-04
	U.S.A. Corn.....		6,421-06

ANNUAL WEIGH-UP, 1942—*Concluded*CALCULATIONS OF OVERAGE OR SHORTAGE—EASTERN ELEVATORS—*Continued*

Licensee	Kind of Grain	Overage	Shortage
		bush.	bush.
<i>Montreal</i> —			
National Harbours Board.....	Western Canadian Wheat.....	22-23	24,045-46
	Western Canadian Oats.....		533-41
	Western Canadian Barley.....		594-27
	Western Canadian Flaxseed.....		291-40
	Western Canadian Rye.....		2,734-06
	Western Canadian Corn.....		952-13
	U.S.A. Corn.....		34-20
	Argentine Corn.....		12-06
	Argentine Flaxseed.....		
<i>Quebec</i> —			
National Harbours Board.....	Western Canadian Wheat.....		5,303-05
	Western Canadian Oats.....		64-30
	Western Canadian Barley.....		11-15
	Western Canadian Corn.....		19-38
	U.S.A. Corn.....	73-28	
	Argentine Corn.....		430-18
<i>Sorel</i> —			
North American Elevators Ltd.....	Western Canadian Wheat.....		4,966-45
	Western Canadian Barley.....		3-31
<i>Halifax</i> —			
National Harbours Board.....	Western Canadian Wheat.....		20,565-30
	Western Canadian Oats.....		15-01
	Western Canadian Barley.....		4-20
	Western Canadian Corn.....		85-29
	U.S.A. Wheat.....		4-50
	U.S.A. Corn.....		174-26
	Argentine Wheat.....		79-40
	Argentine Corn.....		14-02

CALCULATIONS OF OVERAGE OR SHORTAGE—EASTERN ELEVATORS

<i>St. John</i> —			
Canadian National Railways.....	Western Canadian Wheat.....		1,622-25
	Western Canadian Barley.....		5-00
	Western Canadian Corn.....		3-37
<i>West St. John</i> —			
Canadian Pacific Rly. Co. Ltd. "B".....	Western Canadian Wheat.....		6,986-15
Canadian Pacific Rly. Co. Ltd. (National Harbours Board Elevator).	Western Canadian Wheat.....		4,268-25

NOTE.—The official weigh-up of grain in store in the following Elevators was postponed under authority of Order in Council P.C. 5298, dated October 2, 1940—Dominion Elevator Ltd., Montreal; J. Richardson & Sons Ltd., Peterborough; Sarnia Elevators Co. Ltd., Sarnia; Toronto Elevators Ltd., Toronto; Three Rivers Grain & Elevator Co. Ltd., Three Rivers.

* An overage due to the Crown from the Canadian Pacific Railway Company, Ltd., Elevator at Port McNicoll was collected by the Board. There was no overage due to the Crown from other Eastern Elevators.

APPENDIX No. 2

COMMITTEES ON GRAIN STANDARDS

COMMITTEE ON WESTERN GRAIN STANDARDS

- D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners.
 D. A. MacGibbon, Commissioner, Board of Grain Commissioners.
 C. M. Hamilton, Commissioner, Board of Grain Commissioners.
 F. S. Ludlam, Chief Grain Inspector, Board of Grain Commissioners.
 J. Cuddy, Chairman, Grain Appeal Tribunal, Winnipeg.
 C. R. Manahan, Chairman, Grain Appeal Tribunal, Edmonton.
 Dr. J. A. Anderson, Chemist in Charge, Dominion Grain Research Laboratory.
 Dr. L. H. Newman, Dominion Cerealists.
 H. Sellers, representing the millers.
- | | | | |
|--|---|--|---|
| George Bennett,
W. H. Fairchild,
R. N. MacDonald,
B. S. Plumer,
A. Sproule,
Dr. L. E. Kirk, | } | representing grain growers in Alberta. | |
| J. Wellbelove,
W. Wright,
G. Canfield, | | } | representing grain growers in Saskatchewan. |
| W. J. Parker,
Dr. J. H. Craigie
J. Quick, | | | representing grain growers in Manitoba. |
- G. Constable, representing grain growers in British Columbia.
 Nelson Young, representing Plant Products Division, Department of Agriculture.

COMMITTEE ON EASTERN GRAIN STANDARDS

- D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners.
 D. A. MacGibbon, Commissioner, Board of Grain Commissioners.
 C. M. Hamilton, Commissioner, Board of Grain Commissioners.
 F. S. Ludlam, Chief Grain Inspector, Board of Grain Commissioners.
 N. Clair Wight, representing Montreal Board of Trade.
 E. D. Sullivan, representing Toronto Board of Trade.
 T. A. Climo, representing the exporters of grain.
- | | | | |
|---|---|--|--|
| K. F. Wadsworth
J. J. Page,
R. J. Scott,
W. A. Amos, | } | representing the millers of wheat in the Eastern Division. | |
| | | } | representing grain growers in Ontario. |
| Wm. Wallace, Additional—representing growers of corn.
J. M. Vittie, Additional.
G. E. McConney, Additional. | | | |

APPENDIX No. 3

GRAIN APPEAL TRIBUNALS

Winnipeg

J. Cuddy (Chairman)
 Grant Hammond
 J. McMahon
 A. F. Moore
 J. Murray
 S. C. Swanton
 C. J. Wells
 D. K. Mills
 E. R. Holden
 S. Billinsky (Secretary)

Calgary

J. D. Russell
 J. Tranter
 J. A. Harris
 W. McLeod
 E. J. Munson
 G. C. Arbuthnott
 A. Watson
 E. S. Munro (Secretary)
 Vacant (Chairman)

Edmonton

C. R. Manahan (Chairman)
 J. W. Allen
 W. H. Boyle
 A. Fraser
 C. C. Gillies
 J. A. Kyle
 L. T. Ingram
 R. H. Settle
 F. J. Wolfe
 John Blue (Secretary).

Toronto

G. D. Brundrit
 C. H. Coatsworth
 R. C. Pratt
 N. H. Campbell
 C. W. Heimbecker
 L. S. Johnston
 W. N. McCarthy
 G. E. McConney
 E. D. Sullivan
 K. F. Wadsworth
 F. D. Tolchard (Secretary).

Montreal

P. J. Marples (Chairman)
 A. Chaplin
 F. S. Earle
 J. A. Byrne
 J. M. Vittie
 T. A. Climo
 E. Lorne Tracey (Secretary).

SUMMARY OF APPEALS FOR THE CROP YEAR ENDED JULY 31, 1942

	Number of Appeals Held	Number of Appeals Allowed		Number of Appeals Disallowed
		Raised	Lowered	
Winnipeg.....	500	70	2	428
Calgary.....	17	5	1	11
Edmonton.....	68	16	.....	52
Toronto.....	nil	nil	nil	nil
Montreal.....	nil	nil	nil	nil
Total.....	585	91	3	491

APPENDIX No. 4
REPORT OF REGISTRAR

WINNIPEG, MAN., January 14, 1943

The Secretary,
Board of Grain Commissioners for Canada,
Winnipeg, Manitoba.

DEAR SIR,—There is submitted hereunder statement showing the total registrations and registrations for cancellation of terminal elevator warehouse receipts and eastern warehouse receipts or transfer receipts during the crop year ended July 31, 1942:—

	Bushels Registered	Bushels Registered for Cancellation
<i>Winnipeg—</i>		
Wheat.....	262,293,636-10	215,221,336-4
Oats.....	17,200,808-06	20,096,188-1
Barley.....	17,900,321-22	17,609,753-1
Flax.....	4,033,051-18	3,566,416-0
Rye.....	4,944,801-01	4,509,477-0
Mixed Grain.....	248,244-40	228,323-4
Corn.....	617,556-30	533,092-3
Barley Malt.....	213,866-14	213,866-1
<i>Vancouver—</i>		
Wheat.....	3,033,982-20	3,879,172-1
Oats.....	314,410-30	363,676-0
Barley.....	125,840-40	107,576-4
Rye.....	2,267-52	2,208-0
Mixed Grain.....	39,560-20	52,071-0
Corn.....	32,273-12	29,608-0
Peas.....	423-30	387-0
Beans.....	471-20	428-3
<i>Calgary—</i>		
Wheat.....	623,940-40	801,567-1
Oats.....	62,178-28	62,725-0
Barley.....	45,805-20	25,290-2
Flax.....	272-28	264-3
Mixed Grain.....		630-1
<i>Edmonton—</i>		
Wheat.....	568,679-10	1,621,893-2
Oats.....	2,891-14	9,812-0
Barley.....	38,687-04	17,441-3
Mixed Grain.....		1,784-3
Corn.....	3,326-14	2,847-1
<i>Lethbridge—</i>		
Wheat.....	279,344-10	268,867-1
Oats.....	4-24	4-2
Flax.....	6,545-19	4,342-3
Mixed Grain.....		299-0
Peas.....	3,206-20	3,158-2
<i>Moose Jaw—</i>		
Wheat.....	447,656-10	656,885-1
Flax.....	961-28	893-0
<i>Prince Rupert—</i>		
Wheat.....		2,014-3
<i>Saskatoon—</i>		
Wheat.....	571,067-30	777,931-0
Oats.....	470-20	
<i>Total—</i>		
Wheat.....	267,818,306-10	223,229,667-2
Oats.....	17,580,764-20	20,532,406-1
Barley.....	18,110,654-38	17,760,062-1
Flax.....	4,040,830-37	3,571,916-3
Rye.....	4,947,068-53	4,511,685-1
Mixed Grain.....	287,805-10	283,108-3
Corn.....	653,156-00	565,548-2
Barley Malt.....	213,866-14	213,866-1
Peas.....	3,629-50	3,545-2
Beans.....	471-20	428-3

EASTERN WAREHOUSE RECEIPTS OR TRANSFER RECEIPTS

	Bushels Registered	Bushels Registered for Cancellation
<i>Montreal—</i>		
Wheat.....	283,425,845-10	283,046,940-10
Oats.....	5,472,489-14	5,442,244-16
Barley.....	7,301,370-26	5,715,879-03
Flax.....	1,912,647-52	1,873,895-50
Rye.....	795,063-52	786,106-52
Mixed Grain.....	337,100-38	235,271-16
Corn.....	24,534,617-39	20,118,845-27
Screenings.....	949,818-14	1,080,109-02
Peas.....	12,824-10	8,892-20
Beans.....	109,963-20	83,056-28
Buckwheat.....	44,051-46	34,008-08

Yours respectfully,
W. T. Todd,
Registrar.

APPENDIX No. 5

REPORT OF CHIEF INSPECTOR OF GRAIN

WINNIPEG, MAN., November 12, 1942.

Mr. J. RAYNER, Secretary,
Board of Grain Commissioners.
Winnipeg, Manitoba.

DEAR SIR,—I herewith submit my annual report covering car and cargo inspections in the Western Division, also the car and cargo inspections and sampling of grain in the Eastern Division for the crop year ending July 31, 1942.

The crop of the year 1941 was severely affected by drought which cut the yield of all grains. This, together with a reduction of acreage, resulted in a small harvest. The quality of the grain produced was of high grade and of excellent quality.

The total number of cars inspected in the Western Division for the year 1941-42 was 213,932 as against 205,494 for the previous year. An increase of 8,438 cars.

Yours truly,
F. S. LUDLAM,
Chief Grain Inspector.

WESTERN DIVISION

The total primary inspections in the Western Division from August 1, 1941 to July 31, 1942, are made up as follows:—

	Cars	Percentages
Wheat.....	179,040	83.690
Oats.....	13,465	6.294
Barley.....	13,866	6.482
Flax.....	3,383	1.581
Rye.....	3,085	1.442
Mixed Grain.....	199	0.093
Corn.....	788	0.369
Screenings.....	106	0.049
Total.....	213,932	100.000

The grades of Wheat are as follows:—

	Cars	Percentages	Totals	Percentage of Total Inspections
1 Manitoba Hard.....	16	0.009		
1 Manitoba Northern.....	65,347	37.046		
2 Manitoba Northern.....	68,285	38.712		
3 Manitoba Northern.....	18,176	10.304		
4 Manitoba Northern.....	1,679	0.952		
No. 4 Special.....	6	0.003		
No. 5.....	233	0.132		
No. 6.....	5	0.003		
Feed.....	8	0.004		
Sample.....	140	0.080		
Smutty.....	176	0.100		
Tough.....	20,929	11.865		
Damp.....	583	0.330		
Rejected.....	808	0.460		
Total Red Spring Wheats.....	176,391	100.000	176,391	98.520
1 Garnet.....	180	23.841		
2 Garnet.....	248	32.848		
3 Garnet.....	152	20.132		
Smutty Garnet.....	1	0.133		
Tough Garnet.....	162	21.457		
Damp Garnet.....	5	0.662		
Rejected Garnet.....	7	0.927		
Total Garnet Wheats.....	755	100.000	755	0.422
1 Amber Durum.....	35	2.419		
2 Amber Durum.....	548	37.871		
3 Amber Durum.....	347	23.981		
4 Amber Durum.....	63	4.354		
Smutty Amber Durum.....	5	0.345		
Tough Amber Durum.....	311	21.493		
Damp Amber Durum.....	5	0.346		
Rejected Amber Durum.....	130	8.984		
Sample Ambert Durum Broken.....	3	0.207		
Total Amber Durum Wheats.....	1,447	100.000	1,447	0.808
3 White Spring.....	1	50.000		
Rejected White Spring.....	1	50.000		
Total White Spring Wheat.....	1	100.000	2	0.001
1 Mixed Wheat.....	26	44.068		
3 Mixed Wheat.....	8	13.559		
4 Mixed Wheat.....	1	1.695		
5 Mixed Wheat.....	8	13.559		
Tough Mixed Wheat.....	12	20.339		
Damp Mixed Wheat.....	1	1.695		
Smutty Mixed Wheat.....	3	5.085		
Total Mixed Wheat.....	59	100.000	59	0.033
1 Alberta Red Winter.....	277	71.762		
2 Alberta Winter.....	47	12.176		
3 Alberta Winter.....	15	3.886		
Tough Alberta Winter.....	30	7.772		
Damp Alberta Winter.....	6	1.554		
Smutty Alberta Winter.....	8	2.073		
Rejected Alberta Winter.....	3	0.777		
Total Alberta Winter Wheat.....	386	100.000	386	0.212
TOTAL.....	179,040		179,040	100.000

The grades of Oats are as follows:—

	Cars	Percentages
2 Canada Western.....	1,212	9.001
Ex. 3 Canada Western.....	768	5.704
3 Canada Western.....	2,837	21.070
Ex. 1 Feed.....	371	2.755
1 Feed.....	2,806	20.840
2 Feed.....	811	6.023
3 Feed.....	106	0.787
Mixed Feed.....	22	0.163
Rejected.....	17	0.126
Sample.....	9	0.067
Tough.....	4,325	32.120
Damp.....	181	1.344
Total.....	13,465	100.000

The grades of Barley are as follows:—

	Cars	Percentages
1 Canada Western Six-Row.....	5	0.036
2 Canada Western Six-Row.....	2,071	14.936
3 Canada Western Six-Row.....	1,774	12.794
1 Canada Western Two-Row.....	2	0.014
2 Canada Western Two-Row.....	47	0.339
1 Feed.....	1,768	12.751
2 Feed.....	1,155	8.330
3 Feed.....	292	2.106
Rejected.....	6	0.043
Sample.....	1	0.007
Tough.....	6,255	45.110
Damp.....	490	3.534
Total.....	13,866	100.000

The grades of Flax are as follows:—

	Cars	Percentages
1 Canada Western.....	2,334	68.992
2 Canada Western.....	352	10.405
3 Canada Western.....	144	4.256
4 Canada Western.....	30	0.887
Sample.....	15	0.443
Tough.....	498	14.722
Damp.....	10	0.295
Total.....	3,383	100.000

The grades of Rye are as follows:—

	Cars	Percentages
1 Canada Western.....	8	0.259
2 Canada Western.....	956	30.989
3 Canada Western.....	679	22.010
4 Canada Western.....	97	3.144
Ergoty Rye.....	29	0.940
Rejected.....	3	0.097
Tough.....	1,284	41.621
Damp.....	27	0.875
Sample Rye Broken.....	2	0.065
Total.....	3,085	100.000

The grades of Mixed Grain are as follows:—

	Cars	Percentage
No. 1.....	18	9.0
No. 2.....	30	15.0
No. 3.....	77	38.6
Tough.....	66	33.1
Damp.....	6	3.0
Rejected.....	2	1.0
Total.....	199	100.0

The grades of Corn are as follows:—

	Cars	Percentage
No. 2 Canada Western Yellow.....	44	5.5
No. 3 Canada Western Yellow.....	53	6.7
No. 4 Canada Western Yellow.....	59	7.4
No. 5 Canada Western Yellow.....	71	9.0
Tough.....	38	4.8
Damp.....	13	1.6
Moist.....	99	12.5
Wet.....	360	45.6
Sample.....	51	6.4
Total.....	788	100.0

THE NUMBER OF CARS OF GRAIN INSPECTED AT THE VARIOUS POINTS DURING
THE CROP YEAR AUGUST 1, 1941 TO JULY 31, 1942

	Cars	Percentage
Winnipeg.....	179,922	84.4
Calgary.....	9,542	4.6
Moose Jaw.....	3,817	1.8
Saskatoon.....	3,544	1.7
Medicine Hat.....	2,486	1.2
Lethbridge.....	152	0.1
Vancouver.....	275	0.1
Edmonton.....	14,194	6.8
Total.....	213,932	100.0

SUMMARY OF CARS REINSPECTED 1941-1942

	Winnipeg		Calgary	
Cars Inspected.....	179,922		9,542	
Cars Reinspected.....	34,875		867	
Reinspections	Cars	Per Cent	Cars	Per Cent
Left as Graded.....	20,161	57.82	562	64.4
Grades Raised.....	9,172	26.30	150	17.1
Grades Lowered.....	335	0.96	20	2.3
Dockage Raised.....	248	0.71	10	1.1
Dockage Lowered.....	4,959	14.21	125	14.2
Total.....	34,875	100.00	867	100.0

SUMMARY OF CARS REINSPECTED 1941-1942—*Concluded*

—	Edmonton		Saskatoon	
Cars Inspected.....	14,194		3,544	
Cars Reinspected.....	2,332		174	
Reinspections	Cars	Per Cent	Cars	Per Cent
Left as Graded.....	1,784	76.50	154	88.51
Grades Raised.....	193	8.27	18	10.34
Grades Lowered.....	4	0.17	2	1.15
Dockage Raised.....	342	14.67		
Dockage Lowered.....	9	0.39		
Total.....	2,332	100.00	174	100.00

—	Moose Jaw		Medicine Hat	
Cars Inspected.....	3,817		2,486	
Cars Reinspected.....	217		52	
Reinspections	Cars	Per Cent	Cars	Per Cent
Left as Graded.....	185	85.25	39	75.00
Grades Raised.....	31	14.29	8	15.39
Grades Lowered.....	1	0.46	4	7.69
Dockage Raised.....			1	1.92
Dockage Lowered.....				
Total.....	217	100.00	52	100.00

—	Lethbridge		Vancouver	
Cars Inspected.....	152		275	
Cars Reinspected.....	1		11	
Reinspections	Cars	Per Cent	Cars	Per Cent
Left as Graded.....			4	36.37
Grades Raised.....	1	100.00	7	63.63
Grades Lowered.....				
Dockage Raised.....				
Dockage Lowered.....				
Total.....	1	100.00	11	100.00

RECAPITULATION OF REINSPECTIONS

Total Cars Inspected.....		213,932	
Total Cars Reinspected.....		38,529	18.01%
—	Cars	Per Cent	Per Cent of Total Inspections
Left as Graded.....	22,889	59.407	10.70
Grades Raised.....	9,580	24.864	4.48
Grades Lowered.....	366	0.950	0.17
Dockage Raised.....	601	1.560	0.28
Dockage Lowered.....	5,093	13.219	2.38
Total.....	38,529	100.000	18.01

TRADE AND COMMERCE

SUMMARY OF CARS APPEALED

	Winnipeg		Calgary		Edmonton		Total	
	Cars	Per cent	Cars	Per cent	Cars	Per cent	Cars	Per cent
Left as Graded.....	429	85.80	42	67.74	21	91.30	492	84.1
Grades Raised.....	69	13.80	20	32.26	2	8.70	91	15.5
Grades Lowered.....	2	.40					2	.3
Dockage Raised.....								
Dockage Lowered.....								
Total.....	500	100.00	62	100.00	23	100.00	585	100.0

PERCENTAGE OF APPEALS TO TOTAL INSPECTIONS

	Cars	Per Cent
Total Inspections.....	213,932	100
Total Appeals.....	585	
Total Grades Changed.....	93	

GRAIN INSPECTED AND SHIPPED BY VESSEL, AUG. 1, 1941 TO JULY 31, 1942

	Ft. William and Port Arthur	Vancouver and New Westminster	Victoria	U.S.A. Duluth	Churchill	Prince Rupert
	bush.					
Wheat.....	204,980,348	2,236,252	177,333	10,621,196		
Oats.....	5,470,822	8,541				
Barley.....	9,890,619					
Flaxseed.....	2,010,339					
Rye.....	3,783,587					
Mixed Grain.....	37,832					
Sample Barley Malt....	213,866					
Screenings.....	1,943,355					

"OUTWARD CARS" INSPECTED CROP YEAR AUGUST 1, 1941, TO JULY 31, 1942

	Winnipeg	Calgary	Moose Jaw	Saskatoon	Edmonton	Lethbridge	Fort William and Pt. Arthur	Vancouver	Total
Wheat.....	139	464	600	613	878	140	6,551	882	10,267
Oats.....	505	157	146	132	51	.....	6,861	161	8,013
Barley.....	258	400	.....	1	21	.....	4,493	58	5,231
Flaxseed.....	39	1	7	.....	.....	2	962	.....	1,011
Rye.....	11	1	.....	.....	.....	.....	471	3	486
Mixed Grain.....	55	14	.....	5	1	.....	83	22	180
Mixed Feed Oats, Groats.....	.....	.....	.....	.....	.....	.....	25	.....	25
Corn.....	125	2	.....	.....	1	.....	332	21	481
Screenings.....	207	153	126	102	.....	.....	2,735	43	3,366
Sample Grain.....	.....	4	.....	.....	.....	.....	.....	.....	4
Total.....	1,339	1,196	879	853	952	142	22,513	1,190	29,064

EASTERN DIVISION

TOTAL INSPECTIONS AUGUST 1, 1941 to JULY 31, 1942

<i>Cargoes—</i>			
Grain grown in Eastern Division			
at Chatham—	Bushels		Bushels
Grade No. 1 C.E. Yellow Corn.....	60,635		
No. 3 C.E. Yellow Corn.....	71,473		
Sample C.E. Yellow Corn.....	11,226		
			143,334
<i>Car Loads—</i>			
Grain grown in Eastern Division—			
At Montreal.....	32		
At Toronto.....	1,231		
At Chatham.....	848		
			2,111

GRAIN CARGOES SAMPLED BUT NOT INSPECTED AUGUST 1, 1941 to JULY 31, 1942

	Bushels	Bushels
Western grain.....	118,272,182	
Eastern grain.....	1,000	
United States grain.....	1,757,629	
Argentine grain.....	248,565	120,279,376
At Montreal.....	28,289,399	
At Quebec.....	5,857,595	
At St. John.....	34,957,363	
At Halifax.....	41,154,490	
At Sorel.....	5,782,417	
At Three Rivers.....	4,202,674	
At Owen Sound.....	35,438	
		120,279,376

CAR LOADS SAMPLED BUT NOT INSPECTED AUGUST 1, 1941 to JULY 31, 1942

	Montreal	Toronto	Chatham
Western grain.....	215	5	-
Eastern grain.....	75	1	17
United States grain.....	1	-	2
Miscellaneous grain.....	63	11	-
	354	17	19

GRADES OF CAR LOADS INSPECTED

	Montreal	Toronto	Chatham	Total
<i>Wheat—</i>				
No. 1 C.E. White Winter.....		67	3	70
No. 2 C.E. White Winter.....		7		7
No. 3 C.E. White Winter.....		2		2
No. 1 C.E. Red Winter.....		16	9	25
No. 2 C.E. Red Winter.....		1	1	2
No. 1 C.E. Mixed Winter.....		338	81	419
No. 2 C.E. Mixed Winter.....		48	26	74
No. 3 C.E. Mixed Winter.....		5		5
Tough.....		42	26	68
Smutty.....		33	3	36
Sample.....		11	5	16
<i>Oats—</i>				
No. 1 C.E. White.....		1		1
No. 2 C.E. White.....			3	3
No. 3 C.E.....		1	1	2
<i>Barley—</i>				
No. 1 C.E. 6 Row.....		1		1
No. 2 C.E. 6 Row.....		4		4
No. 3 C.E. 6 Row.....		3		3
No. 4 C.E.....		1		1
Sample.....		1		1
<i>Corn—</i>				
No. 1 C.E. Yellow.....	3	84	120	207
No. 2 C.E. Yellow.....	4	19	22	45
No. 3 C.E. Yellow.....		2	3	5
No. 4 C.E. Yellow.....	1			1
No. 1 C.E. Yellow Extra dry.....		15	12	27
No. 2 C.E. Yellow Extra dry.....			7	7
No. 3 C.E. Yellow Extra dry.....	1	1	2	4
No. 1 C.E. Mixed.....		2		2
No. 2 C.E. Mixed.....	1	1		2
No. 3 C.E. Mixed.....	1			1
No. 4 C.E. Mixed.....			1	1
No. 1 C.E. Mixed Extra dry.....		1		1
No. 2 C.E. Mixed Extra dry.....		1		1
No. 4 C.E. White.....		1		1
Tough.....	1	30	63	94
Damp.....	11	318	69	398
Moist.....	1	114	68	183
Wet.....		28	37	65
Sample.....		27	1	28
<i>Buckwheat.—</i>				
No. 2 C.E.....		2		2
Damp.....	2	3		5
Sample.....	1			1
<i>Pea Beans—</i>				
No. 1 C.E.....			229	229
No. 2 C.E.....	3		20	23
No. 3 C.E.....	2		33	35
No. 4 C.E.....			1	1
Tough.....			2	2
Total.....	32	1,231	848	2,111

APPENDIX No. 6

REPORT OF CHIEF WEIGHMASTER

The Secretary,
Board of Grain Commissioners,
Winnipeg, Manitoba.

DEAR SIR,—I have the honour to submit the following report of the Grain Weighing Branch for the crop year 1941-1942.

In the Western Division this Branch supplied weighing services at all Public Terminal, Semi-Public Terminal and Private Terminal elevators licensed by the Board for the purpose of weighing all grain received into and shipped out of these elevators as required under Sections 91 and 123 of the Act. Also at Plants operating under Mill Elevator licence weighing services were supplied to comply with the Act.

In the Eastern Division weighing services were supplied on a fees basis at a number of Eastern elevators.

The scales in the elevators at Port Arthur and Fort William, the Canadian Government interior elevators, National Harbours Board elevator, Port Churchill, and elevators at the Pacific Coast located on berths delivering grain to vessels on tidal waters were inspected twice during the year, "the annual inspection and semi-annual inspection", by myself or my assistant, Mr. W. H. Comba. The annual inspection was made in accordance with the Weights and Measures Act and Regulations 1929, Chapter 212, Section 50, and for which certificates of verification were issued. The semi-annual inspection of the scales located in the above elevators was made to insure the continued accuracy of the scales. Special inspection of scales was made whenever found necessary. The scales in the various elevators mentioned above have been kept in good condition by a competent scale mechanic.

Under supervision of officers of this Branch, the equipment used for receiving, shipping and weighing grain in the various elevators where weighing services have been supplied, has been maintained in good condition.

The inspection of scales in elevators in the Eastern Division licensed as Eastern elevators was carried out by Mr. P. J. Marples and certificates of verification were issued in accordance with the Weights and Measures Act 1929

A considerable volume of extra work was involved during the year in the weighing of grain to and from the large temporary storages which were constructed at the head of the Lakes.

The number of complaints received on the outturn of cars received at terminal elevators has been very small considering the large number of cars handled. However, precaution is taken at terminal elevators both with regard to the accuracy of the scales and the handling of car lots of grain received into the terminals from country points. However, in handling the large number of cars there is bound to be the odd complaint, some of which are due to errors in loading, leakage from cars repaired in transit, pilferage and leaks that are discovered when cars are spotted for unloading, and from causes beyond the knowledge and jurisdiction of the Board's weighmen stationed at the terminal elevators. Complaints that were received have been investigated and where the investigation has warranted it, adjustments have been made.

Complaints of alleged shortages in the outturn of some cargoes loaded at the Head of the Lakes were received. The weighing and loading of these cargoes were investigated without finding any evidence of responsibility for same at the loading elevators with the exception of two cases where mishaps occurred in loading owing to breakage of equipment, and on which reports were made to the Board and adjustments made. Recovery of some shortages were made when cargoes in complaint were held Identity Preserved and reweigh of the cargo was made. There were 1,152 cargoes loaded during the crop year.

There were four complaints on the outturn of export cargoes loaded at Montreal elevators, the weighing and loading of which were thoroughly investigated and reports submitted to the Board and recommendation made.

The annual weighover of all grains in store in all Public Terminal, Semi-Public Terminal elevators and the top four grades of wheat and the top two grades of garnet wheat in Private Terminal elevators in the Western Division was conducted during the crop year wherever it was possible to do so, and, in cases where it was found impossible to weigh over, an estimated audit was made, as required under Order in Council P.C. 5298. As in the previous year, stocks of grain in store in the above elevators were very heavy throughout the year. In elevators in the Eastern Division operating under an Eastern elevator licence, all grain in store was weighed over during the year as required under the Act, or estimated as required under Order in Council P.C. 5298.

Statements of the correct quantities of the various grades in store in each of the above elevators which were weighed over were prepared by this Branch and forwarded to the Board to permit of the adjustment of outstanding warehouse receipts in Public and Semi-Public elevators, the establishment of overages in Terminal elevators and Eastern elevators, in accordance with the provisions of Section 138 and 138A of the Canada Grain Act. Statements of all estimated audits that were conducted under Order in Council P.C. 5298 were also prepared and forwarded to the Board.

Respectfully submitted,

S. M. CAPON,
Chief Weighmaster.

The following are the quantities of the various grains which were weighed into and out of elevators at the following points in the Western Division during the crop year ending July 31, 1942.

FORT WILLIAM—PORT ARTHUR

RECEIPTS

Grain	Receipts from West	Transfer Receipts		Total
		Rail	Vessel	
	bush.	bush.	bush.	bush.
Wheat.....	265,565,633-10	268,792-30	.....	265,834,425-40
Oats.....	17,811,860-15	188,170-00	199-04	17,800,229-19
Barley.....	18,177,765-00	35,612-14	906-32	18,214,283-46
Rye.....	5,062,780-02	16,482-34	.....	5,079,262-36
Flaxseed.....	4,632,442-36	7,498-27	.....	4,639,941-07
Canadian Corn.....	593,548-42	23,450-36	.....	616,999-22
Mixed Grain.....	11,932,284 lbs.	742,880 lbs.	.....	12,675,164 lbs.
Mixed Feed Oats Groats.....	60 lbs.	.....	.....	60 lbs.
Sample Barley Malt.....	7,699,190 lbs.	.....	.....	7,699,190 lbs.
All Screenings.....	9,393,645 lbs.	21,188,710 lbs.	.....	30,582,355 lbs.

FORT WILLIAM—PORT ARTHUR—*Concluded*

SHIPMENTS

Grain	Vessel	Rail	Transfer Shipments		Total
			Vessel	Rail	
	bush.	bush.	bush.	bush.	bush.
Wheat.....	204,980,348-30	10,132,160-04		274,956-00	215,387,464-34
Oats.....	5,470,822-15	14,397,800-01	200-00	205,706-02	20,074,528-18
Barley.....	9,890,619-21	7,663,186-40	907-34	36,106-12	17,590,820-11
Rye.....	3,783,587-15	710,490-28		17,421-40	4,511,499-27
Flaxseed.....	2,010,339-24	1,622,967-19		7,593-16	3,640,900-03
Canadian Corn.....		507,111-08		25,100-00	532,211-08
Mixed Grain.....	2,118,587 lbs.	8,232,057 lbs.		854,090 lbs.	11,204,734 lbs.
Mixed Feed Oats Groats.....		1,321,200 lbs.			1,321,200 lbs.
Sample Barley Malt.....	7,699,190 lbs.				7,699,190 lbs.
All Screenings.....	116,601,290 lbs.	158,732,562 lbs.		21,366,210 lbs.	296,700,062 lbs.

GROSS HANDLINGS OF ALL CANADIAN GRAINS DURING THE CROP YEAR 1941-42
IN ELEVATORS AT THE FOLLOWING POINTS:

RECEIPTS

Point	Wheat	Oats	Barley	Rye	Flaxseed	Canadian Corn	Miscel- laneous
	bush.	bush.	bush.	bush.	bush.	bush.	lbs.
Vancouver and New Westminster..	4,145,396-10	1,025,011-16	469,719-12	132,547-48	115-00	217,199-10	6,440,900
Victoria.....	69,174-00						
Prince Rupert.....							
Churchill.....							
Calgary.....	635,027-50	62,332-32	45,830-20		304-06		
Edmonton.....	585,843-10	918-18	38,707-44			3,328-02	
Lethbridge.....	283,681-30	4-24			7,920-40		192,470
Moose Jaw.....	454,697-30				1,087-28		
Saskatoon.....	585,669-40	472-12					
Eastern Terminal- North Transcona.....		8,494-14	13,089-18			557-18	161,200
Gillespie Grain, Edmonton.....	41,272-10	155,584-04	50,806-22			1,422-28	
Searle, Kenora.....							

SHIPMENTS

Point	Wheat	Oats	Barley	Rye	Flaxseed	Canadian Corn	Miscel- laneous
	bush.	bush.	bush.	bush.	bush.	bush.	lbs.
Vancouver and New Westminster..	4,781,488-00	1,024,456-20	370,737-04	119,240-55	816-34	179,123-34	9,563,520
Victoria.....	213,043-30	1,127-02					50,470
Prince Rupert.....	2,014-30						
Churchill.....							
Calgary.....	801,567-15	62,725-20	25,290-24		264-36		550,310
Edmonton.....	1,621,893-20	9,812-02	17,441-32			2,847-18	390,280
Lethbridge.....	269,707-25	4-24			6,545-19		467,810
Moose Jaw.....	658,520-15				893-07		136,085
Saskatoon.....	777,931-05	317-02					9,730
Eastern Terminal- North Transcona.....	21,265-00	8,461-26	13,088-26	6-14		1,627-28	213,490
Gillespie Grain, Edmonton.....	45,283-00	145,413-08	42,353-44			1,422-28	452,430
Searle, Kenora.....	59,065-00						

GROSS HANDLINGS OF ALL FOREIGN GRAINS DURING THE CROP YEAR 1941-42 IN
ELEVATORS AT THE FOLLOWING POINTS:

RECEIPTS

Point	U.S.A. Corn	Argentine Corn
	bush.	bush.
Vancouver and New Westminster.....	12,851-22	13,730-20

SHIPMENTS

Vancouver and New Westminster.....	11,841-22	140,670-20
------------------------------------	-----------	------------

TOTAL CARS WEIGHED AT INTERIOR POINTS OTHER THAN
GOVERNMENT ELEVATORS, CROP YEAR 1941-1942

Kenora.....	32
Keewatin.....	6,790
Winnipeg.....	11,411
Saskatoon.....	4,432
Moose Jaw.....	5,604
Calgary.....	4,229
Edmonton.....	242
Medicine Hat.....	3,137
Lethbridge.....	1
Total.....	35,878

REPORT OF CARS ARRIVING AT DESTINATION, LEAKING, NOT PROTECTED BY
SEALS, AND WITH DEFECTIVE SEALS CROP YEAR 1941-1942

CANADIAN PACIFIC RAILWAY

	Leaking Cars	Missing Seals	Defective Seals
Lakehead Elevators.....	11,575	775	145
Elevators, excluding Lakehead.....	1,422	284	35
Total.....	12,997	1,059	180

CANADIAN NATIONAL RAILWAY

	Leaking Cars	Missing Seals	Defective Seals
Lakehead Elevators.....	7,113	155	43
Elevators, excluding Lakehead.....	593	66	22
Total.....	7,706	221	65
Total both roads.....	20,703	1,280	245

CARS REPORTED LEAKING AND WITH MISSING AND DEFECTIVE SEALS IN
WINNIPEG RAILWAY YARDS

	Leaking Cars	Missing and Defective Seals
C.P.R. Yards.....	2,634	647
C.N.R. Yards.....	1,574	258
Total.....	4,208	905

REPORT OF THE AVERAGE REPORTED SHORTAGES OF POUNDS PER 1,000 BUSHEL
ON THE VARIOUS GRAINS LOADED AT FORT WILLIAM AND PORT ARTHUR
AND UNLOADED CANADIAN AND AMERICAN PORTS

CANADIAN PORTS

Grain	Bushels	Pounds per 1,000 bushels
Wheat.....	154,892,694-43	Short 23·5
Oats.....	4,111,762-02	Short 22·02
Barley.....	8,125,982-34	Short 31·84
Rye.....	1,005,942-28	Short 23·89
Flaxseed.....	1,199,655-09	Short 20·24
Barley Malt.....	7,699,190 lbs.	Short ·08 lbs. per 1,000 lbs.
Screenings.....	19,391-0600 tons	Short 2·11 lbs. per ton

AMERICAN PORTS

Grain	Bushels	Lbs. per 1,000 bushels
Wheat.....	50,052,058-10	Short 24·21
Oats.....	1,345,060-13	Short 13·14
Barley.....	1,766,383-29	Short 38·27
Rye.....	2,870,046-22	Over 18·02
Flaxseed.....	810,684-15	Short 91·8
Screenings.....	38,651-1340 tons	Short ·2 lbs. per ton

GRAND TOTALS—GRAIN SHIPPED

Grain	Bushels	Pounds per 1,000 bushels
Wheat.....	204,944,752-56	Short 23·68
Oats.....	5,456,822-15	Short 19·83
Barley.....	9,892,366-15	Short 32·99
Rye.....	3,875,988-50	Over 7·15
Flaxseed.....	2,010,339-24	Short 49·1
Screenings.....	58,042-1940 tons	Short ·84 lbs. per ton

APPENDIX No. 7

REPORT OF GENERAL MANAGER, CANADIAN GOVERNMENT
ELEVATORS

FORT WILLIAM, ONT., December 21, 1942.

The Board of Grain Commissioners,
Winnipeg, Man.

SIRS,—I beg to submit the following report of the operations of the Canadian Government Elevators for the year 1942.

ELEVATORS OPERATED

The interior elevators at Moose Jaw, Saskatoon, Calgary, Edmonton and Lethbridge and the elevator at Prince Rupert, B.C., were all operated during the entire year under Public Terminal Elevator licences.

ELEVATOR LEASED

The elevator at Port Arthur, Ont., continues to be operated by McCabe Bros. Grain Co. Ltd. under lease which expires in 1944.

TARIFF OF CHARGES

The tariff of charges for handling, storing, cleaning and drying of grain was the same as that in effect during the previous season.

VOLUME OF GRAIN HANDLED

Due to the continued restricted movement of grain the amounts received at the several elevators were all considerably below receipts of the preceding season, but the amount of grain carried in store during the entire year remained fairly constant at about sixteen million bushels. Grain in store at all points on July 31, 1942, amounted to 16,933,891 bushels. The total nominal storage capacity of the elevators is 18,350,000 bushels.

Receipts of grain at each elevator during the past two crop years were as follows:—

Elevator	1940-41	1941-42	Decrease
	bush.	bush.	bush.
Moose Jaw.....	496,118	448,618	47,500
Saskatoon.....	657,291	571,322	85,969
Calgary.....	3,380,353	732,196	2,648,157
Edmonton.....	2,211,976	614,027	1,597,949
Lethbridge.....	299,152	285,889	13,263
Prince Rupert.....	73,089	Nil	73,089
	7,117,979	2,652,052	4,465,927

Shipments from all elevators during the crop year amounted to 4,245,457 bushels. Subsequent to the close of the crop year one cargo of wheat was shipped from Prince Rupert and the elevator was later filled to capacity by shipment of wheat from Edmonton.

MAINTENANCE OF BUILDINGS AND EQUIPMENT

The buildings, machinery and trackage at all elevators have been maintained in good condition, expenditures for this purpose being included in operating costs.

Considerable deterioration has occurred in the timber dock and gallery supports at Prince Rupert and steps are now in progress with a view to making necessary repairs and replacements next year.

Major repairs and replacements made during the year include the following items:—

BUILDINGS, ETC.

<i>Port Arthur</i> —	Repairs to sewer outlet.
<i>Saskatoon</i> —	Repairs to roofs.

MACHINERY AND EQUIPMENT

<i>Port Arthur</i> —	2 New Motors. 1 Leg Belt. 1 Conveyor Belt. 4 Chain Drives.
<i>Moose Jaw</i> —	1 new Motor Truck. 1 Chain Drive. 500 Leg Buckets.
<i>Saskatoon</i> —	650 Leg Buckets. 2 Leg Belts.
<i>Calgary</i> —	200 Leg Buckets. 1 Leg Belt. 1 Conveyor Belt. 2 Head Pulleys.
<i>Edmonton</i> —	184 Discs for Carter Disc Machines.

Trackage replacements were made during the year as follows:—

<i>Moose Jaw</i> —	600 Treated Track Ties. 1,200 Tie Plates. 1,200 feet 65 lb. Rail and 3 switches replaced with 85 lb. steel.
<i>Saskatoon</i> —	1,350 Treated Track Ties. 66 Treated Switch Ties. 2,700 Tie Plates.
<i>Calgary</i> —	600 Treated Track Ties. 1,200 Tie Plates.
<i>Edmonton</i> —	1,000 Treated Track Ties. 2,500 Tie Plates.
<i>Lethbridge</i> —	280 Treated Track Ties. 93 Treated Switch Ties. 1,060 Tie Plates.

STAFFS

Staffs at all points were maintained at the minimum of requirements. Three temporary employees resigned during the year and one was granted leave of absence on enlistment in the R.C.A.F. One permanent and four temporary employees are now serving in the forces.

One temporary Superintendent and three temporary Clerk-Stenographers were appointed to fill vacancies.

FINANCIAL RESULTS OF OPERATIONS

Gross earnings for the fiscal year ended March 31, 1942, amounted to \$125,338.30 and expenditures \$299,348.87, leaving a surplus of \$825,989.43.

The surplus of earnings over expenditures for the eight month period ended March 31, 1941, was \$517,140.00.

In accordance with former practice no provision is made in the financial statements to cover depreciation of plants and equipment, but all maintenance expenditures are included in operating costs.

Respectfully submitted,

R. HETHERINGTON,
General Manager.

APPENDIX No. 8

REPORT OF THE CHIEF CHEMIST

WINNIPEG, MAN., December 31, 1942

Board of Grain Commissioners,
Winnipeg, Man.

SIRS,—I have the honour to submit the following summary report on the Grain Research Laboratory for the year 1942.

The 1942 grain crops were at least two weeks late and the laboratory was hard pressed to obtain and analyze representative samples of grades of wheat prior to the meeting of the Western Committee on Grain Standards, which was held on October 22, 1942, one day earlier than last year. It was possible to prepare reasonably representative composite samples of grades 1 to 4 Northern; there was no 1 Hard or 4 Special; and it was impossible to obtain adequate numbers of samples of No. 5 and No. 6 wheat, and of the Garnet grades. Detailed information on grades 1 to 4 Northern, and reports on the average quality of durum wheat, malting barley, and flax, were presented to the Western Committee on Grain Standards, together with a brief review of the vegetable oils situation on the North American continent.

The shortage of vegetable oils created interest in early information on the quality of the Western Canadian flax crop, and as this moved comparatively rapidly, the laboratory was able to issue a preliminary report on September 19, 1942, and an interim report on September 30, 1942. Early information on the protein content of hard red spring wheat was also issued in good time; a preliminary report was released on September 12, and an interim report on October 23, 1942.

Crop bulletins containing detailed information on various grains were printed rather later than usual, not only because of the late crop, but also because the laboratory was handicapped by the recent loss of a number of experienced members of the staff. A list of the crop bulletins follows:—

- ANDERSON, J. ANSEL and AITKEN, T. R. The Quality of Western Canadian Wheat 1942 Crop. Crop Bulletin No. 5, October, 1942.
- ANDERSON, J. ANSEL and EVA, W. J. Protein Survey of Western Canadian Wheat 1942 Crop. (With coloured map). Crop Bulletin No. 6, November, 1942.
- ANDERSON, J. ANSEL and MEREDITH, W. O. S. Quality of Western Canadian Flax 1942 Crop. Crop Bulletin No. 7, November, 1942.
- ANDERSON, J. ANSEL and EVA, W. J. Protein Survey of Western Canadian Barley 1942 Crop. Crop Bulletin No. 8, December, 1942.

The wet season had typical effects on the quality characteristics of all crops: protein content was low, and the baking qualities of spring wheat, and macaroni-making qualities of amber durum wheat, were considerably below average; on the other hand, malting barley and flax, where these crops escaped fall frosts, were of excellent quality.

As in previous years, assistance was given to the Inspection Branch in the preparation of tentative standard samples and tentative export standard samples of hard red spring and durum wheat. Supervision of moisture test in all offices of the Inspection Branch was continued; and a variety of minor investigations were also undertaken at the request of the Chief Inspector several of these dealing with flax.

Investigations of the quality of new varieties of hard red spring wheat grown in the United States were again made in co-operation with the Northwest Crop Improvement Association (United States); and similar investigations of the quality of new varieties of hard red spring wheat, amber durum wheat, and barley were continued under the programme sponsored by the Associate Committee of Grain Research (Canada).

At the request of the latter Committee, the writer spent two months in making a survey of the edible oils situation in Canada, with the object of providing the committee with information to assist it in outlining an expanded programme of research on oil seeds. Two other investigations related to the war effort were undertaken at the request of the National Research Council; and the laboratory also acted in an advisory capacity to the Council in connection with other problems relating to grain, which were decided without recourse to experimental investigations.

A variety of minor analytical studies were made for various institutions, etc., including investigations of rusted flax and rusted barley for the Dominion Rust Research Laboratory; of new flax varieties for the University of Alberta; of corn for the Manitoba Corn Committee; and of soybeans and sunflower seed for the Manitoba Society of Agronomists. The laboratory also collected a series of special samples of wheat for: the Cereal Division, Central Experimental Farm, Department of Agriculture; the Division of Applied Biology, National Research Laboratories; and the Department of Agricultural Biochemistry, University of Manitoba; and samples of flax for the Oil Seeds Laboratory, University of Saskatchewan.

Investigations relating to the large quantities of wheat in store in Canada have been expanded. The laboratory has continued to co-operate with Dr. B. N. Smallman, entomologist working under the direction of the Division of Entomology, Department of Agriculture, by providing him with laboratory space, equipment and an assistant, and by undertaking those parts of certain investigations dealing with the effect of conditions and treatments on the moisture content and quality of grain. A new study was started with the object of keeping a record of the milling and baking quality of wheat held in terminal annexes at the Head of the Lakes, and of obtaining data on changes which take place in grain during long storage periods. In this connection it was necessary to design and build a new multiple-sample probe for sampling wheat to a depth of 45 ft. Several experiments relating to changes in the moisture content of stored wheat were undertaken. In one of these it was shown that a temperature differential of 35°C. across 6 ft. of grain would eventually create a difference in moisture content of 2.2 percentage units between the cold and hot spots.

The following scientific papers and bulletins have been published or are in press:

- PAULL, ALLAN E. and ANDERSON, J. ANSEL. The Effects of Amount and Distribution of Rainfall on the Protein Content of Western Canadian Wheat. *Canadian Journal of Research, C*, Volume 20, pages 212-227, 1942.
- AITKEN, T. R. and ANDERSON, J. ANSEL. Testing the Baking Strength of Gluten Concentrates. *Cereal Chemistry* (in press).
- ANDERSON, J. ANSEL and MARTIN, V. G. Probe for Sampling Deep Grain Bins. Grain Research Laboratory, Board of Grain Commissioners for Canada. Bulletin No. 3 (in press).
- CUNNINGHAM, R. L. and ANDERSON, J. ANSEL. Micro Tests of Alimentary Pastes. I. Apparatus and Methods. *Cereal Chemistry* (in press).
- CUNNINGHAM, R. L. and ANDERSON, J. ANSEL. Micro Tests of Alimentary Pastes. II. Effects of Processing Conditions on Paste Properties. *Cereal Chemistry* (in press).
- EVA, W. J. and LEVI, I. A Note on the Chemical Composition of Manitoba Shelled Corn, 1941 Crop. *Scientific Agriculture* (in press).
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The laboratory is now making a special effort to publish a bulletin summarizing the results of twelve annual surveys (1927 to 1938) of the protein content of Western Canadian hard red spring wheat. This project should have been completed a year ago, but was delayed by press of other work. Papers on a number of other investigations—malted wheat, moisture gradients, and studies of physical dough testing machines—must also be written up when time permits;

indeed, it may be said that the laboratory is further behind with the preparation and publication of scientific papers than with any other phase of its work. In general, the unpublished work relates to the ordinary peacetime research programme of the laboratory. It has been necessary to curtail this not only to provide time for more important investigations, but also because the laboratory has had to shoulder certain essential routine studies dropped by other western laboratories. In effect, this policy involves the concentration of all essential grain research in the Board's laboratory, in order to make the staffs of other laboratories available for war work.

Owing to the shortage of chemists and sub-professional assistants, the Malting Laboratory—formerly operated at the University of Manitoba, with financial assistance from the Associate Committee on Grain Research—was placed under the direction of the Grain Research Laboratory early in 1941. This made possible a redistribution of staff designed to make better use of trained personnel. In December, the probability of losing additional staff made it necessary to move the Malting Laboratory from the University to the Grain Exchange Building, thus incorporating it as an integral part of the Grain Research Laboratory. Mr. W. O. S. Meredith, Biochemist-in-charge of the Malting Laboratory, and his two assistants joined our staff.

A large turnover in personnel occurred during the year: among the professional men, Mr. A. E. Paull joined the R.C.A.F., Mr. F. H. Lehberg was seconded to the office of the Oils and Fats Controller, and Dr. R. L. Cunningham was seconded to the Department of Mines and Natural Resources for war research; Messrs. K. Wares and L. E. Wilson also enlisted in the R.C.A.F. while Miss L. Rosenblat joined the staff of the Royal Air Force Delegation in the United States; Messrs. S. K. Hunter and E. A. Higham and Miss R. Pollock left to take other positions. Three temporary assistants stayed for only short periods. Aside from Mr. W. O. S. Meredith, all replacements obtained by the laboratory were inexperienced, most of them being girls who had just left high school.

Various difficulties have been experienced in obtaining chemicals and equipment and delays in delivery have been embarrassing at times. However, a "blanket" priority rating has now been obtained for the laboratory, and, all things considered, the present situation appears reasonably satisfactory.

A detailed report on the work of the Grain Research Laboratory has been prepared. In accordance with past practice, it is recommended that this report be published separately, with the object of putting on record data on the quality of the more important Canadian grain crops, and progress reports on laboratory investigations.

Respectfully submitted,

J. ANSEL ANDERSON,

Chief Chemist.

APPENDIX No. 9

STATEMENT OF REVENUE AND EXPENDITURE FOR THE FISCAL
YEAR ENDING MARCH 31, 1942

(a) WINNIPEG—

Revenue—

Licence Fees.....	\$	30,817 00	
Registration Fees.....	\$	13,603 28	
Cancellation Fees.....		11,855 64	
			25,458 92
Inspection Fees.....		204,473 40	
Samples Sold.....		6,658 99	
Cargo Certificates Splits.....		197 00	
Sampling Fees.....		658 50	
Refund Express.....		1,649 50	
Sundries.....		477 00	
			214,114 39
Appeal Fees.....			2,118 00
Weighing Fees.....		12,660 02	
Condition Reports.....		114 00	
			12,774 02
			\$ 285,282 33

Expenditure—

Board and Executive Offices—

Salaries—

Commission and Secretary.....	36,620 00
Secretary's Office.....	10,952 56
Licensing and Bonding.....	11,659 92

Rents—

Executive Office.....	3,236 80
Licensing and Bonding.....	1,054 44

Travelling Expenses—

Grain Commission.....	2,590 63
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General Expenses—

Grain Commission.....	3,210 49
Licensing and Bonding.....	679 23

Printing and Stationery—

Grain Commission.....	1,233 90
Licensing and Bonding.....	1,509 15

Assistant Commissioner's Office—

Salaries.....	7,952 22
Rent.....	543 12

Travelling Expenses.....	843 93
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General Expenses.....	169 45
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Printing and Stationery.....	3 52
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82,259 36

Grain Research Laboratory—

Salaries.....	33,224 39
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Rent.....	7,819 20
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Travelling Expenses.....	400 95
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General Expenses.....	6,223 73
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Printing and Stationery.....	1,615 88
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49,284 15

Registration Branch—

Salaries.....	13,401 12
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Rent.....	1,381 44
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General Expenses.....	296 00
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Printing and Stationery.....	90
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Travelling Expenses.....	39 80
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15,119 26

Accounts—

Salaries.....	6,251 33
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General Expenses.....	160 06
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Printing and Stationery.....	355 56
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6,766 95

Inspection Branch—

Salaries.....	245,230 39
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Rent.....	15,848 60
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Travelling Expenses.....	2,114 11
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General Expenses.....	14,956 17
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Printing and Stationery.....	2,723 21
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280,872 48

Weighing Branch—

Salaries.....	32,221 38
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Rent.....	1,397 16
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Travelling Expenses.....	136 05
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General Expenses.....	345 59
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Printing and Stationery.....	6 96
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34,107 14

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1942—Continued

(a) WINNIPEG—Concluded

Expenditure—Con.

Grain Appeal Tribunal—

Salaries.....	\$ 4,380 00	
Rent.....	369 12	
General Expenses.....	1,005 38	
		\$ 6,254 50

Grain Standards Committee—

Travelling Expenses.....	1,550 10	
General Expenses.....	1,620 00	
		3,170 10

\$ 477,833 94

(b) CHURCHILL—

Expenditure—

Inspection Branch—

Salaries.....		
Travelling Expenses.....		348 60

Weighing Branch—

Salaries.....		
Travelling Expenses.....		68 30

416 94

(c) KEEWATIN—

Revenue—

Weighing Fees.....		7,287 00
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Expenditure—

Salaries—Inspection Branch.....		2,144 00
Salaries—Weighing Branch.....	4,920 00	
General Expenses.....	44 29	
		4,964 29

7,108 24

(d) SASKATOON—

Revenue—

Inspection Fees.....	4,768 30	
Samples sold.....	170 25	
Sundries.....	0 50	
		4,939 05
Weighing Fees.....		6,397 00

11,336 05

Assistant Commissioner's Office—

Salaries.....	9,215 28	
Travelling Expenses.....	695 36	
General Expenses.....	102 05	
Printing and Stationery.....	46 41	
		10,059 10

Inspection Branch—

Salaries.....	11,196 97	
Rent.....	877 00	
Travelling Expenses.....		
General Expenses.....	500 43	
Printing and Stationery.....	5 23	
		12,579 63

Weighing Branch—

Salaries.....	10,510 56	
Travelling Expenses.....	42 95	
General Expenses.....	4 82	
Printing and Stationery.....		
		10,558 33

33,197 0

(e) MOOSE JAW—

Revenue—

Inspection Fees.....	4,390 35	
Samples Sold.....	175 35	
Sundries.....	23 00	
		4,588 70
Weighing Fees.....		6,090 30

10,679 0

Expenditure—

Inspection Branch—

Salaries.....	11,336 06	
Rent.....	900 00	
General Expenses.....	809 48	
Printing and Stationery.....	7 09	
		13,052 63

Weighing Branch—

Salaries.....	7,690 11	
Travelling Expenses.....	262 80	
General Expenses.....	7 61	
		7,960 52

21,013 1

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1942—*Continued*

(f) MEDICINE HAT—

Revenue—

Inspection Fees.....	\$	2,681	00		
Samples Sold.....		148	22		
				\$	2,829 22
Weighing Fees.....					4,476 00
					<u>7,305 22</u>

Expenditure—

Inspection Branch—

Salaries.....	1,959	83			
Rent.....	240	00			
General Expenses.....	147	75			
				2,347	58

Weighing Branch—

Salaries.....	4,651	71			
General Expenses.....	3	21			
				4,654	92
					<u>7,002 50</u>

(g) LETHBRIDGE—

Revenue—

Inspection Fees.....	128	20			
Samples Sold.....	21	76			
Sundries.....	62	00			
				211	96
Weighing Fees.....				92	30
					<u>304 26</u>

Expenditure—

Inspection Branch—

Salaries.....	4,295	28			
Travelling Expenses.....	83	80			
General Expenses.....	34	13			
				4,413	21

Weighing Branch—

Salaries.....	4,175	28			
Travelling Expenses.....	86	65			
General Expenses.....	9	60			
				4,271	53
					<u>8,684 7</u>

(h) CALGARY—

Revenue—

Inspection Fees.....	11,097	20			
Samples Sold.....	367	51			
Refund Express.....	15	25			
Sundries.....	305	00			
				11,784	96
Weighing Fees.....				7,247	80
Appeal Fees.....				99	00
					<u>19,131 76</u>

Expenditure—

Assistant Commissioner's Office—

Salaries.....	9,140	28			
Rent.....	828	00			
Travelling Expenses.....	602	01			
General Expenses.....	261	64			
Printing and Stationery.....	14	03			
				10,845	96

Inspection Branch—

Salaries.....	31,910	05			
Rent.....	3,001	00			
Travelling Expenses.....					
General Expenses.....	1,755	81			
Printing and Stationery.....	199	11			
				36,865	97

Weighing Branch—

Salaries.....	19,303	53			
Rent.....	314	04			
Travelling Expenses.....	141	75			
General Expenses.....	160	58			
				19,919	90

Grain Appeal Tribunal—

Salaries.....	4,643	96			
Rent.....	420	00			
General Expenses.....	144	11			
				5,208	07
					<u>72,839 90</u>

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1942—Continued

(i) PRINCE RUPERT—

Revenue—

Inspection Fees.....	\$	2 90	
Weighing Fees.....		2 00	
			\$ 4 90

Expenditure—

Inspection Branch—

Salaries.....	\$	74 52	
Travelling Expenses.....		156 85	
			231 37

Weighing Branch—

Salaries.....		1,835 28	
Travelling Expenses.....		312 90	
			2,148 18

2,379 55

(j) EDMONTON—

Revenue—

Inspection Fees.....	16,277 50		
Samples Sold.....	386 61		
Refund Express.....	16 00		
Sundries.....	138 00		
		16,818 11	
Weighing Fees.....		1,827 40	
Appeal Fees.....		159 00	
			18,804 51

Expenditure—

Inspection Branch—

Salaries.....	39,654 93		
Rent.....	3,834 00		
Travelling Expenses.....	72 13		
General Expenses.....	1,529 38		
Printing and Stationery.....	338 65		
		45,429 09	

Weighing Branch—

Salaries.....	9,550 00		
Travelling Expenses.....	750 15		
General Expenses.....	73 13		
		10,373 28	

Grain Appeal Tribunal—

Salaries.....	4,532 96		
Rent.....	510 00		
General Expenses.....	187 76		
		5,230 72	

61,033 09

(k) VANCOUVER—

Revenue—

Inspection Fees.....	3,761 50		
Samples Sold.....	238 16		
Sundries.....	6 00		
		4,005 66	
Weighing.....		7,648 70	
Registration Fees.....	144 72		
Cancellation Fees.....	157 52		
		302 24	

11,956 60

Expenditure—

Inspection Branch—

Salaries.....	56,396 40		
Rent.....	4,239 00		
Travelling Expenses.....	36 35		
General Expenses.....	1,414 97		
Printing and Stationery.....	80 31		
		62,167 03	

Weighing Branch—

Salaries.....	69,333 75		
Rent.....	1,659 00		
General Expenses.....	574 24		
		71,566 99	

Registration Branch—

Salaries.....	6,070 56		
Rent.....	1,092 00		
General Expenses.....	157 29		
		7,319 85	

141,053 87

GRAIN COMMISSION

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STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR ENDING MARCH 31, 1942—Continued

(l) FORT WILLIAM—

Revenue—

Inspection Fees.....	\$ 316,073 80	
Samples Sold.....	6,348 17	
Cargo Certificate Splits.....	1 10	
	<hr/>	
Weighing Fees.....	\$ 322,423 07	
	516,594 80	
	<hr/>	\$ 839,017 87

Expenditure—

Inspection Branch—

Salaries.....	338,633 31	
Rent.....	12,176 88	
Travelling Expenses.....	2,649 16	
General Expenses.....	8,699 78	
Printing and Stationery.....	3,711 21	
	<hr/>	365,870 34

Weighing Branch—

Salaries.....	253,068 49	
Rent.....	2,851 68	
Travelling Expenses.....	8,652 01	
General Expenses.....	2,534 80	
Printing and Stationery.....	894 64	
	<hr/>	268,001 62

Assistant Commissioner's Office—

Salaries.....	8,467 59	
Rent.....	540 00	
Travelling Expenses.....	131 90	
General Expenses.....	198 42	
	<hr/>	9,337 91

Statistical Branch—

Salaries.....	41,031 19	
Rent.....	3,285 00	
Travelling Expenses.....	241 57	
General Expenses.....	2,203 19	
Printing and Stationery.....	2,826 47	
	<hr/>	49,587 42

692,797 29

(m) TORONTO—

Revenue—

Inspection Fees.....	1,465 00	
Sampling Fees.....	44 00	
Samples Sold.....	27 93	
Cargo Certificate Splits.....	1 20	
	<hr/>	1,538 13

Expenditure—

Inspection Branch—

Salaries.....	5,015 28	
Rent.....	540 00	
Travelling Expenses.....	7 53	
General Expenses.....	283 79	
Printing and Stationery.....	29 52	
	<hr/>	5,876 12

5,876 12

(n) MONTREAL—

Revenue—

Inspection Fees.....	207 85	
Sampling Fees.....	1,155 20	
Samples Sold.....	149 29	
Cargo Certificate Splits.....	787 70	
	<hr/>	2,300 04
Registration Fees.....	3,684 71	
Cancellation Fees.....	3,514 15	
	<hr/>	7,198 86
Weighing Fees.....	2 00	
	<hr/>	9,500 90

9,500 90

Expenditure—

Inspection Branch—

Salaries.....	32,635 81	
Rent.....	1,940 04	
Travelling Expenses.....	4,288 76	
General Expenses.....	1,110 62	
Printing and Stationery.....	154 32	
	<hr/>	40,129 55

Weighing Branch—

Salaries.....	1,985 28	
Rent.....	480 00	
Travelling Expenses.....	148 35	
General Expenses.....	161 36	
Printing and Stationery.....	376 48	
	<hr/>	3,151 47

3,151 47

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1942—*Concluded*

(n) MONTREAL—*Concluded**Expenditure—Concluded*

Registration Branch—

Salaries.....	\$ 5,427 93	
Rents.....	420 00	
Travelling Expenses.....	128 70	
General Expenses.....	247 64	
Printing and Stationery.....	88 95	

\$ 6,313 22

49,594

(o) CHATHAM—

Revenue—

Inspection Fees.....	916 70	
Samples Sold.....	95 89	
Sampling Fees.....	2,094 00	

3,106

Expenditure—

Inspection Branch—

Salaries.....	7,266 95	
Rent.....	420 00	
Travelling Expenses.....	2,092 33	
General Expenses.....	378 18	
Printing and Stationery.....	23 62	

10,181

(p) VICTORIA—

Revenue—

Inspection Fees.....	70 60	
Samples Sold.....	3 57	
	74 17	
Weighing Fees.....	105 20	

179

Expenditure—

Inspection Branch—

Salaries.....	2,880 00	
General Expenses.....	6 60	
	2,886 60	

Weighing Branch—

Salaries.....	2,460 00	
Travelling Expenses.....	39 45	
General Expenses.....	1 60	
	2,501 05	

5,387

(q) DULUTH—

Revenue—

Inspection Fees.....		
----------------------	--	--

15,967

Expenditure—

Salaries.....	3,391 54	
Travelling Expenses.....	2,164 74	
General Expenses.....	68 00	

5,624

SUMMARY OF OPERATION BY BRANCHES

REVENUE

	Inspection	Weighing	Appeal Boards	Registration	Commission	Statistical	Accounting	Research Laboratory	Grain Standards	Total
Fees.....	582,281 30	570,430 52	2,376 00	32,960 02	30,817 00					1,218,864 84
Sampling.....	3,957 70									3,957 70
Express Charges.....	1,680 75									1,680 75
Cargo Splits.....	987 00									987 00
Samples Sold.....	14,791 70									14,791 70
Condition Reports.....		114 00								114 00
Sundries.....	1,005 50									1,005 50
	\$604,703 95	\$570,544 52	\$2,376 00	\$32,960 02	\$30,817 00					\$1,241,401 49

GRAIN COMMISSION

EXPENDITURE

Salaries.....	794,123 02	421,705 37	13,556 92	24,899 61	94,007 85	41,031 19	6,251 33	33,224 39		1,428,799 68
Rents.....	44,016 52	6,701 88	1,299 12	2,893 44	6,202 36	3,285 00		7,819 20		72,217 52
Travel.....	14,014 36	10,641 36		168 50	4,863 83	241 57		400 95	1,550 10	31,880 67
Expenses.....	31,593 39	3,920 83	1,837 25	700 93	4,621 28	2,203 19	160 06	6,223 73	1,620 00	52,880 66
Printing and Stationery.....	7,272 27	1,278 08		89 85	2,807 01	2,826 47	355 56	1,615 88		16,245 12
	\$891,019 56	\$444,247 52	\$16,693 29	\$28,752 33	\$112,502 33	\$49,587 42	\$6,766 95	\$49,284 15	\$3,170 10	\$1,602,023 65

Net deficit..... \$360,622 16

TRADE AND COMMERCE

STATEMENT SHOWING REVENUE AND EXPENDITURE BY POINTS AND BRANCHES

REVENUE

Points	Inspection	Weighing	Appeal Boards	Registration	Commission	Statistical	Accounting	Research Laboratory	Grain Standards	Total
Winnipeg.....	214, 114 39	12, 774 02	2, 118 00	25, 458 92	30, 817 00	.....	.....	.....	.....	285, 282 33
Keewatin.....	.....	7, 287 00	.....	.....	.....	.....	.....	.....	.....	7, 287 00
Saskatoon.....	4, 939 05	6, 397 00	.....	.....	.....	.....	.....	.....	.....	11, 336 05
Moose Jaw.....	4, 588 70	6, 090 30	.....	.....	.....	.....	.....	.....	.....	10, 679 00
Medicine Hat.....	2, 829 22	4, 476 00	.....	.....	.....	.....	.....	.....	.....	7, 305 22
Lethbridge.....	211 96	92 30	.....	.....	.....	.....	.....	.....	.....	304 26
Calgary.....	11, 784 96	7, 247 80	99 00	.....	.....	.....	.....	.....	.....	19, 131 76
Edmonton.....	16, 818 11	1, 827 40	159 00	.....	.....	.....	.....	.....	.....	18, 804 51
Vancouver.....	4, 005 66	7, 648 70	.....	302 24	.....	.....	.....	.....	.....	11, 956 60
Fort William.....	322, 423 07	516, 594 80	.....	.....	.....	.....	.....	.....	.....	839, 017 87
Toronto.....	1, 538 13	.....	.....	.....	.....	.....	.....	.....	.....	1, 538 13
Montreal.....	2, 300 04	2 00	.....	7, 198 86	.....	.....	.....	.....	.....	9, 500 90
Chatham.....	3, 106 59	.....	.....	.....	.....	.....	.....	.....	.....	3, 106 59
Victoria.....	74 17	105 20	.....	.....	.....	.....	.....	.....	.....	179 37
Prince Rupert.....	2 90	2 00	.....	.....	.....	.....	.....	.....	.....	4 90
Duluth.....	15, 967 00	.....	.....	.....	.....	.....	.....	.....	.....	15, 967 00
	604, 703 95	570, 544 52	2, 376 00	32, 960 02	30, 817 00	1, 241, 401 49

GRAIN COMMISSION

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EXPENDITURE

Winnipeg.....	280,872 48	34,107 14	6,254 50	15,119 26	82,259 36	6,766 95	49,284 15	3,170 10	477,833 94
Churchill.....	348 60	68 30	.....	.....	.....	.....	.....	.....	.....	416 90
Keewatin.....	2,144 00	4,964 29	.....	.....	.....	.....	.....	.....	.....	7,108 29
Saskatoon.....	12,579 63	10,558 33	.....	.....	10,059 10	.....	.....	.....	.....	33,197 06
Moose Jaw.....	13,052 63	7,960 52	.....	.....	.....	.....	.....	.....	.....	21,013 15
Medicine Hat.....	2,347 58	4,654 92	.....	.....	.....	.....	.....	.....	.....	7,002 50
Lethbridge.....	4,413 21	4,271 53	.....	.....	.....	.....	.....	.....	.....	8,684 74
Calgary.....	36,865 97	19,919 90	5,208 07	.....	10,845 96	.....	.....	.....	.....	72,839 90
Edmonton.....	45,429 09	10,373 28	5,230 72	.....	.....	.....	.....	.....	.....	61,033 09
Vancouver.....	62,167 03	71,566 99	.....	7,319 85	.....	.....	.....	.....	.....	141,053 87
Fort William.....	365,870 34	268,001 62	.....	.....	9,337 91	49,587 42	.....	.....	.....	692,797 29
Toronto.....	5,876 12	.....	.....	.....	.....	.....	.....	.....	.....	5,876 12
Montreal.....	40,129 55	3,151 47	.....	6,313 22	.....	.....	.....	.....	.....	49,594 24
Chatham.....	10,181 08	.....	.....	.....	.....	.....	.....	.....	.....	10,181 08
Victoria.....	2,886 60	2,501 05	.....	.....	.....	.....	.....	.....	.....	5,387 65
Prince Rupert.....	231 37	2,148 18	.....	.....	.....	.....	.....	.....	.....	2,379 55
Duluth.....	5,624 28	.....	.....	.....	.....	.....	.....	.....	.....	5,624 28
	891,019 56	444,247 52	16,693 29	28,752 33	112,502 33	49,587 42	6,766 95	49,284 15	3,170 10	1,602,023 65

Total expenditure.....\$ 1,602,023 65

Total Revenue.....1,241,401 49

Net Deficit.....\$ 360,622 16

APPENDIX No. 10
REGULATIONS OF THE BOARD

During the year 1942 Regulation No. 22 was revised and Regulations Nos. 48 and 49 were amended.

The Regulations of the Board in effect at December 31, 1942, are as follows:

- No. 1—Registration and Cancellation of Terminal Warehouse Receipts.
- 4—Inspection of Samples taken other than at an Inspection Point.
- 11—Procedure for Appeals from Inspection Officers to Grain Appeal Tribunals.
- 14—Construction of Elevators.
- 21—Cleaning Grain and Bins.
- 22—Fees.
- 23—Form of Terminal Warehouse Receipt.
- 35—Registration and Cancellation of Transfer and Eastern Warehouse Receipts.
- 36—Delivery of Grain to Ocean Vessels at Montreal.
- 37—Maximum Tariff of Charges and Shrinkage Allowances for Licensed Country Elevators.
- 38—Maximum Tariff of Charges—Terminal Elevators at Fort William-Port Arthur and Winnipeg.
- 39—Maximum Tariff of Charges—Government Interior Terminal Elevators at Saskatoon, Moose Jaw, Calgary, Edmonton and Lethbridge.
- 40—Maximum Tariff of Charges—Terminal Elevators West of Calgary.
- 41—Maximum Tariff of Charges at the Terminal Elevator at Churchill, Manitoba.
- 42—Maximum Tariff of Charges for handling Grain at Eastern Elevators.
- 43—Procedure—Country Elevators.
- 44—Drying of Grain.
- 45—Records, Reports and Returns.
- 46—Receipt for Grain delivered to Private Country Elevators and Mill Elevators.
- 47—Inspection of Grain at The Pas, Manitoba.
- 48—Names and Definitions of "Off Grades" for Western Grain.
- 49—Names and Definitions of "Off Grades" for Eastern Grain.
- 50—Names and Definitions of Grades for Screenings.
- 51—Receipt of Wheat into Licensed Country Elevators from Railway Cars.
- 52—Binning of Tough Wheat with Straight Grade Wheat.
- 53—Enforcement of Lien by Sale of Grain.
- 54—Receipt, Handling, Storage and Shipment of Grain—Temporary Terminal Annexes.
- 55—Delivery of Grain to Ocean Vessels at West St. John, New Brunswick.

Date Due

JUL 12	RETURN
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